2M / HD 720P

Internet Protocol Camera

User's Manual

Ver.2011 / 07

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Reading Before Using

You should read all the safety and operating instructions before using this product. The use of surveillance devices may be prohibited by law in your country. The IP Camera is not only a high-performance web-ready camera, but can also be part of a flexible surveillance system. It is the user's responsibility to ensure that the operation of such devices is legal before installing this unit for its intended use.

Warning Before Using

1. **Abnormal:** Power off the IP Camera immediately when the smoke or unusual odors are detected.
2. **Voltage:** Don not use the power supply with other voltages, if you use a power supply with different voltage than the one included with this device. It is likely to be damaged or damage other equipments / personnel.
3. **Humidity:** Keep the IP Camera dry inside. If it becomes wet, power off is necessary! Do not place it in high humidity environments.
4. **Temperature:** Refer to your user's manual for the operating temperature; do not place around heat sources, direct sunlight.
5. **Disassemble:** Do not open the housing of this IP Camera; avoid disassembling and inserting the sharp or tiny things.
6. **Accessory:** Do not use attachment / accessory not recommend by Raylios.

All warranty will be voided in the situations above.

Package Content

Box Cam

*Lens not included

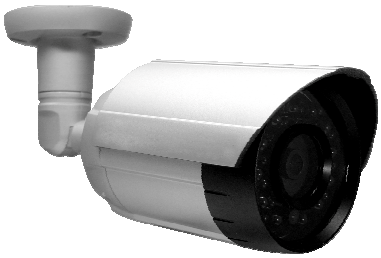
Vandal Dome

IR Vandal Dome (35 IR LED)

IR Vandal Dome (50 IR LED)

*accessory package is included

IR Tube



IR Tube (Slim type)

*accessory package is included

Power Adaptor

Software CD

Product CD in the package contains the following:

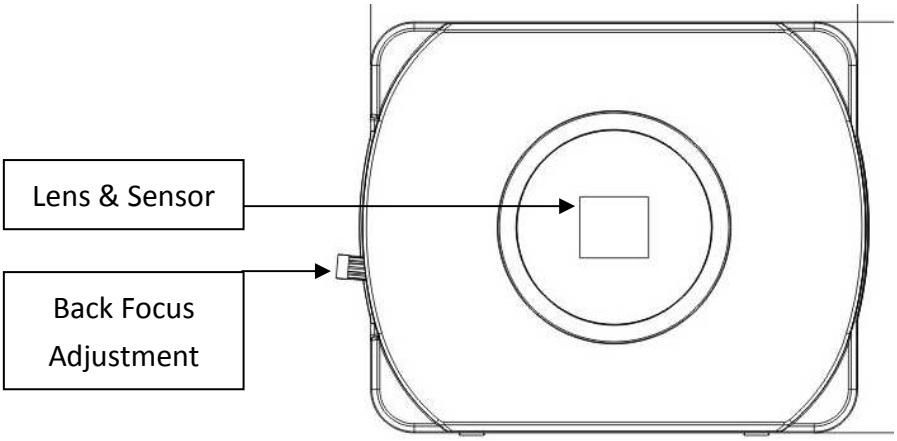
Search Tool

CMS M1-064-

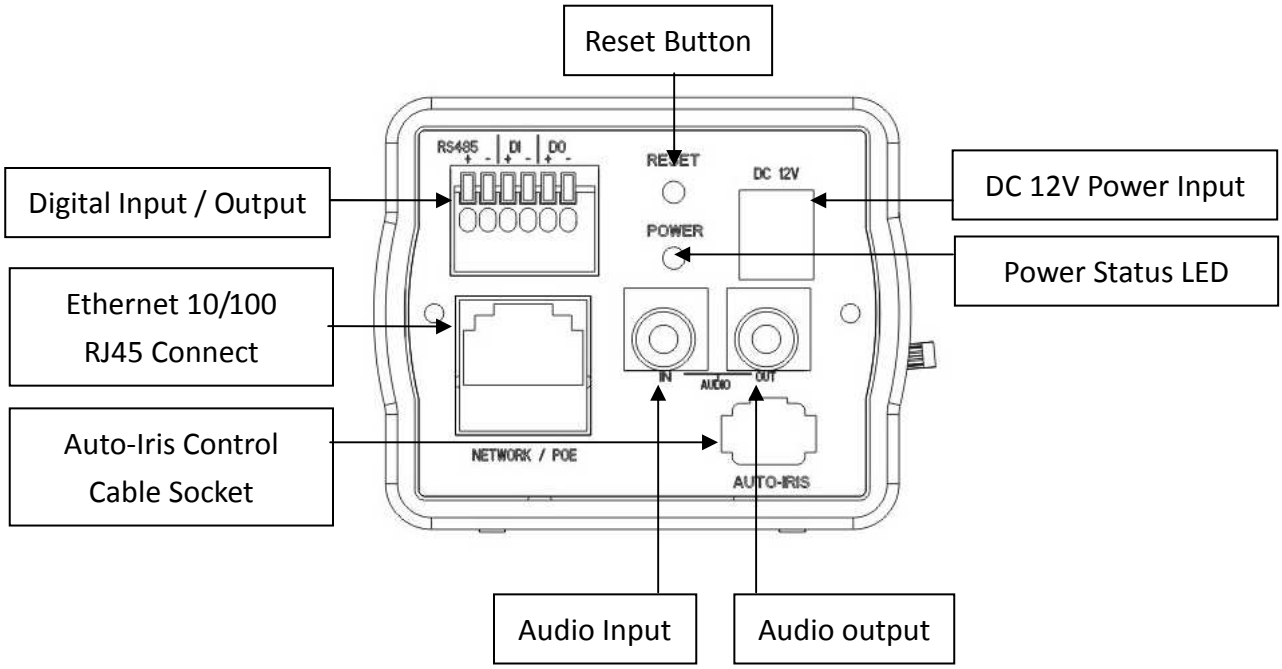
Operation Manual

Physical Description

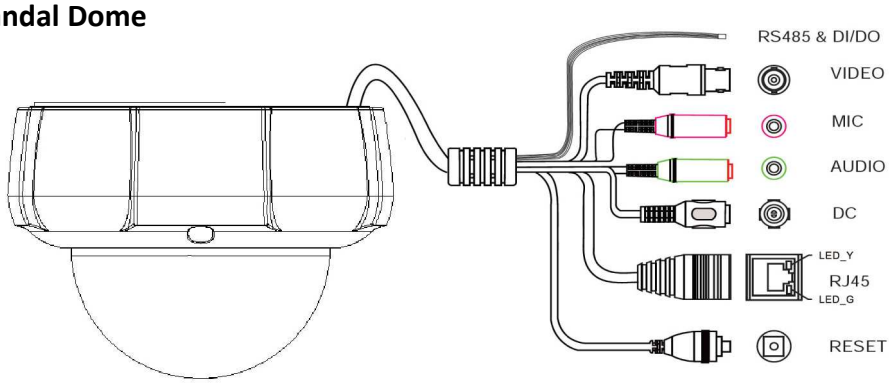
Front Panel

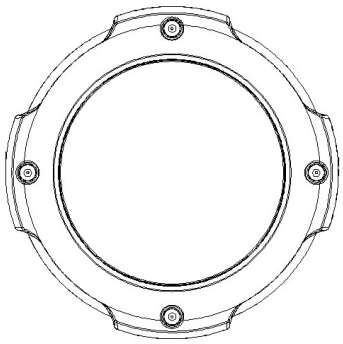


Back Panel

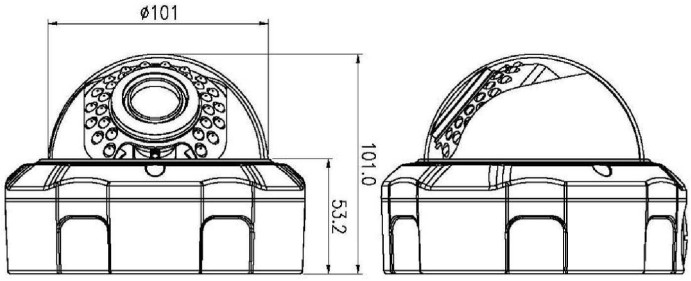


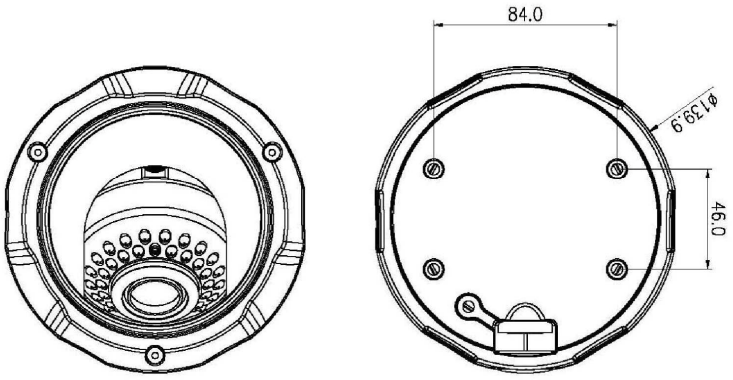
Vandal Dome



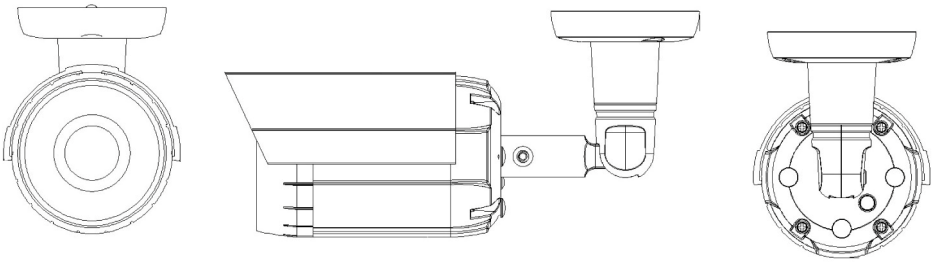


IR Vandal Dome

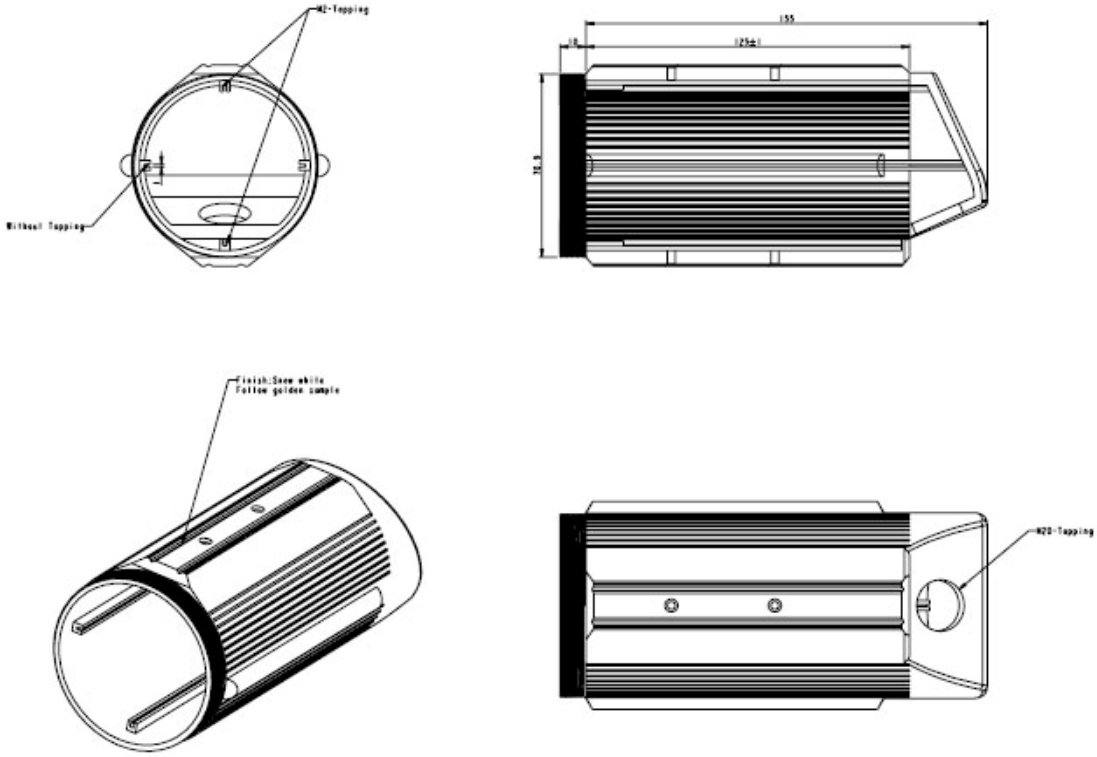




IR Tube



IR Tube (Slim type)



Ethernet Port

The IP device connects to the Ethernet via a standard RJ45 connector. Supporting NWAY, this IP device can auto detect the speed of local network segment (10Base-T/100Base-TX Ethernet).

Reset Button

Step 1: Switch off IP device by disconnecting the power cable
Step 2: Press and continue to hold the Reset Button (with a sharp tipped object, like a pen.)
Step 3: Reconnect the power cable while continuing to hold the reset button. The Power LED light will turn orange for about 15 seconds, and then turn green for about 5 seconds. By this time the reset to default operation is already completed. This reset operation time fluctuates slightly with the environment.

Audio Input / Output

The IP device supports audio input and output with earphone jack.

Digital Input / Output

Used in applications like motion detection, event triggering, time lapse recording, alarm notifications, etc., the I/O terminal connector provides the interface to:

1. Transistor output – for connecting external devices such as relays and LEDs. Connected devices can be activated by Output buttons on the Live View page or through video management software.
2. Digital Input – An alarm input for connecting devices that can toggle between an open and closed circuit, for example: PIRs, door/window contacts, glass break detectors, etc. The device will detect the change in digital input and transmit the signal to video surveillance servers.

Connect to device and setup IP

This section describes how to configure the IP device. The administrator has unlimited access to all settings, while the normal user can only view live video. The IP device is configured under a standard browser (Microsoft Internet Explorer 6.0 or above).

If you have DHCP server / router in your network:

If you are using a network server / router which are able to automatically provide IP addresses through DHCP, just plug in your computer and IP Box Camera into the device and it will acquire network address by itself. Find and access the device with our “Skate” (IP Device Search Tool), which is in our package CD with the camera.

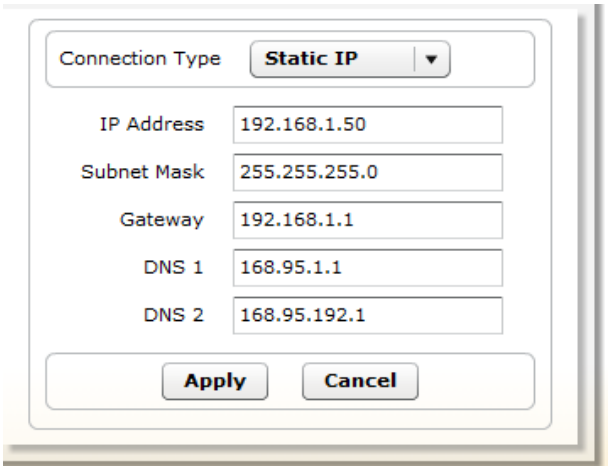
If you do NOT have DHCP server / router in your network:

Please assign a static IP for each device and add them one by one. Connect to the first device by following steps 1 to 9 below.

Before adding more devices into the network, you need to change the current device to a new IP address so no two devices have IP conflict. (Steps 6 to 9).

For adding devices without DHCP, please see following steps.

1. Connect the PC to the Network Switch with the CAT5 cable, and change your PC's IP to 192.168.1.99 / Subnet Mask 255.255.255.0 (99 is just a sample, it may be any number from 1 to 254 except 50.)
2. Connect the device to your Network Switch. If it is a PoE enabled Switch, then the device is powered on. If it is NOT a PoE enabled Switch, please also plug in the Power Adapter.
3. Open Internet Explorer (Version 6.0 or above), and type in
   Default IP: http://192.168.1.50
4. When you see the login window, please input default user and password:
   Default User name: Admin Password: password
5. After you log in, you will see the video from IP device. To go to the main menu, click the "Setup" button on the top right.
6. Please go to Network→ IP Networking. Change the IP mode to Static IP and the IP address to 192.168.1.101 or any other unused IP (Avoid 192.168.1.50, the IP of your PCs and other devices already in network.). Click "Apply" then click System → Maintenance → Reboot this device



7. Internet Explorer will reopen after a few seconds. This is normal.
8. Wait for 40 seconds and reopen IE by typing in the new IP. (in this example, 192.168.1.101). For later device you add into the network, please choose an IP that is not used by any existing device.
9. If you have more than one device, continue again from step 2. Assign different new IP to each camera (for instance → 192.168.1.102) You do not need to unplug the existing devices from the witch because there is no IP conflict.

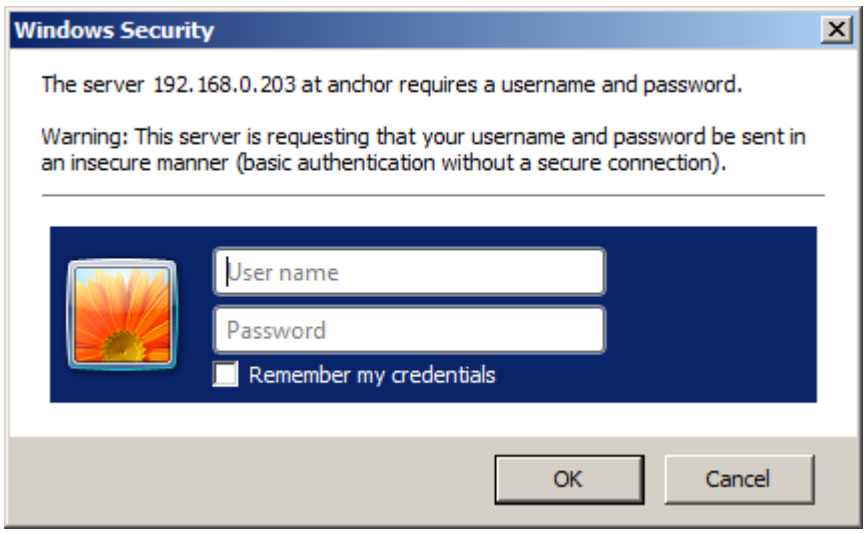
Login

1. Open Internet Explorer 6.0 or above. You may download the latest version from: http://www.microsoft.com/windows/ie/downloads/default.mspx

2. Enter the IP address of the IP device and press enter to go to Login Page. The default IP address is "http://192.168.1.161/"

3. Enter the Account name and the Password
   (Default Account: Admin/Password: password)

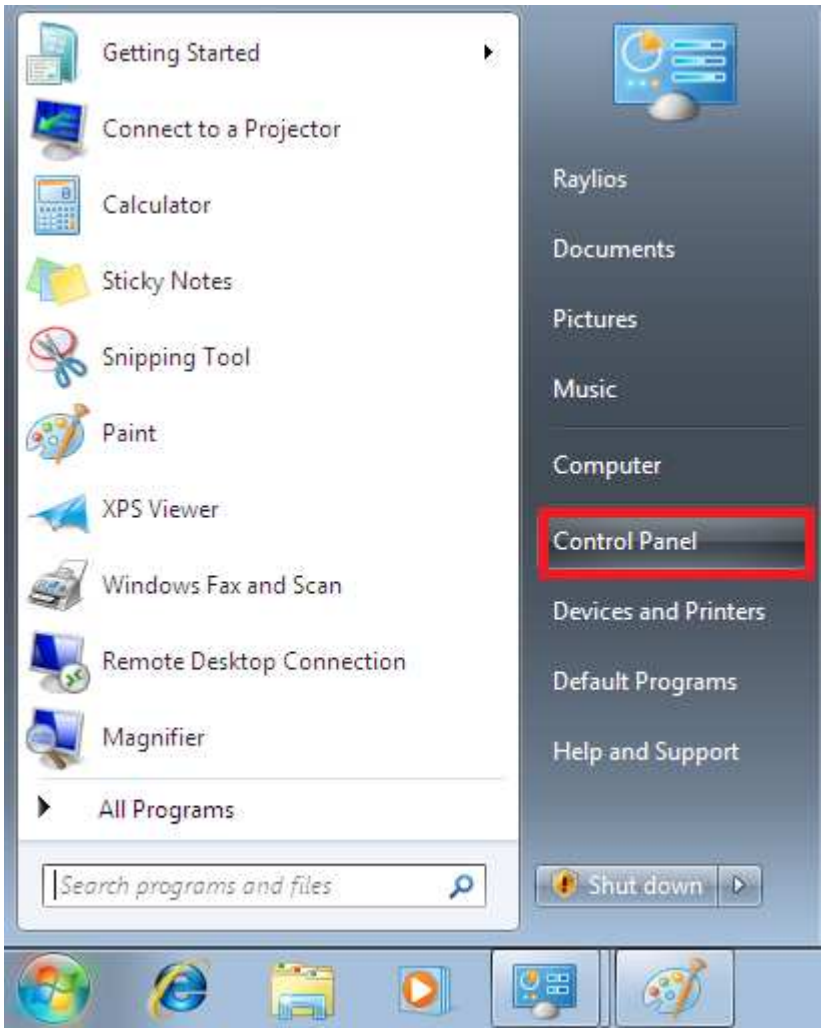
4. Click "OK" or click "Cancel" to re-enter again.


Windows Security
The server 192.168.0.203 at anchor requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name
Password
Remember my credentials
OK
Cancel

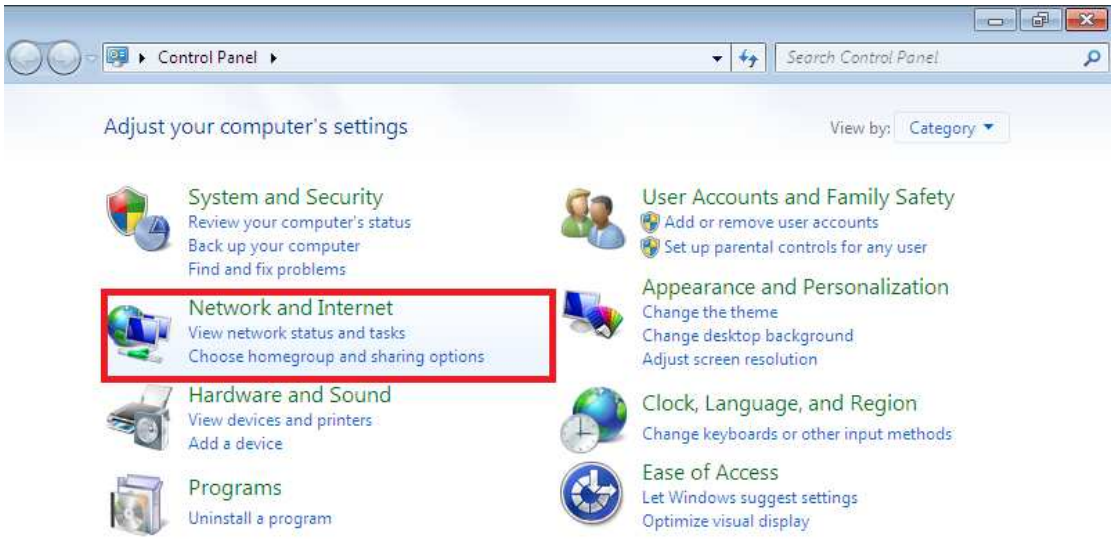
Example to setup IP of your PC (Win 7)

The procedures are as below show how to setup your IP on Windows XP. If you use operating system other than Windows XP, please refer to OS manuals for proper setup procedures.

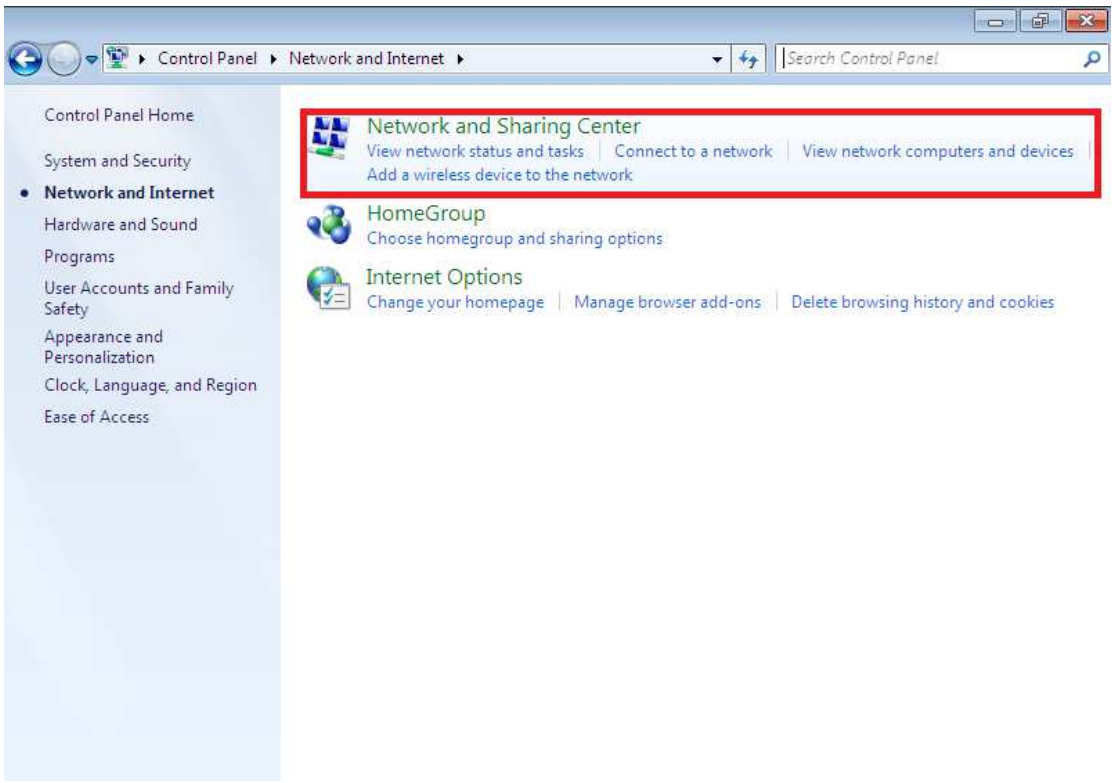
1. Start up your PC.
2. Click the [Start] and select the “Control Panel”



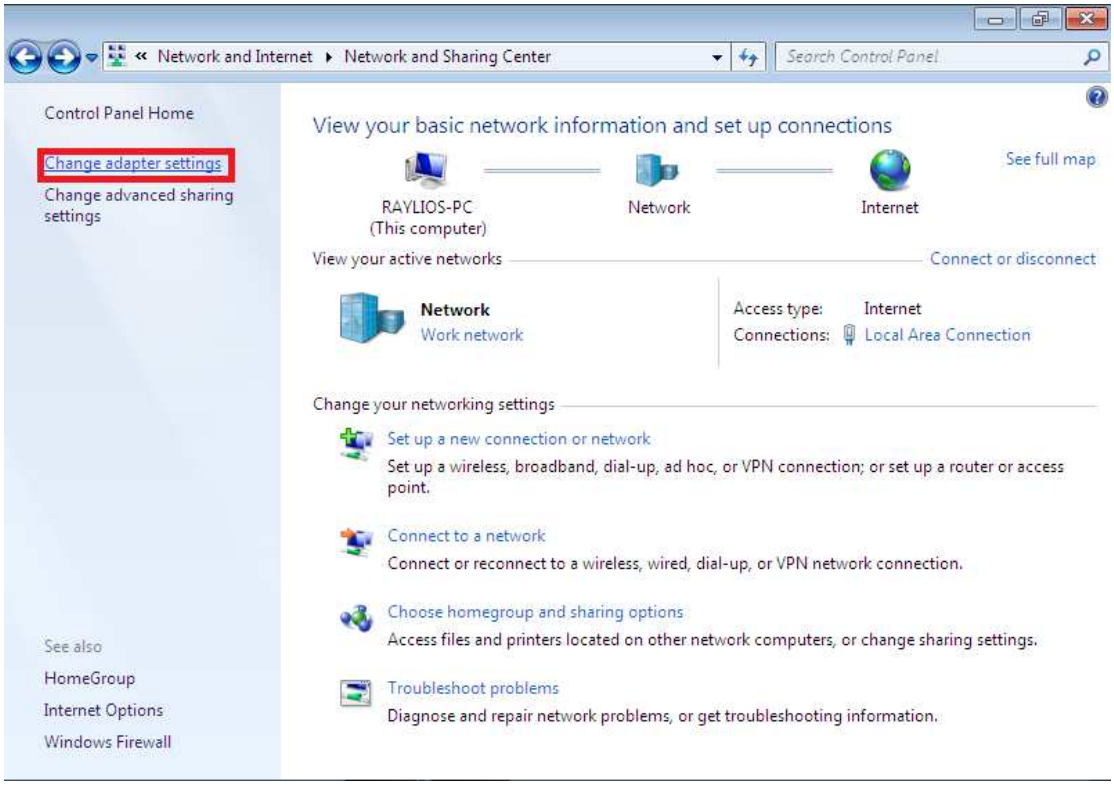
Double check the “Network and internet connection” icon



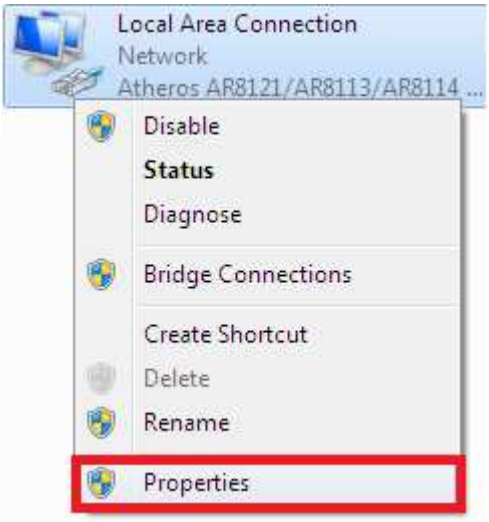
1. Double check the “Network Connection” icon



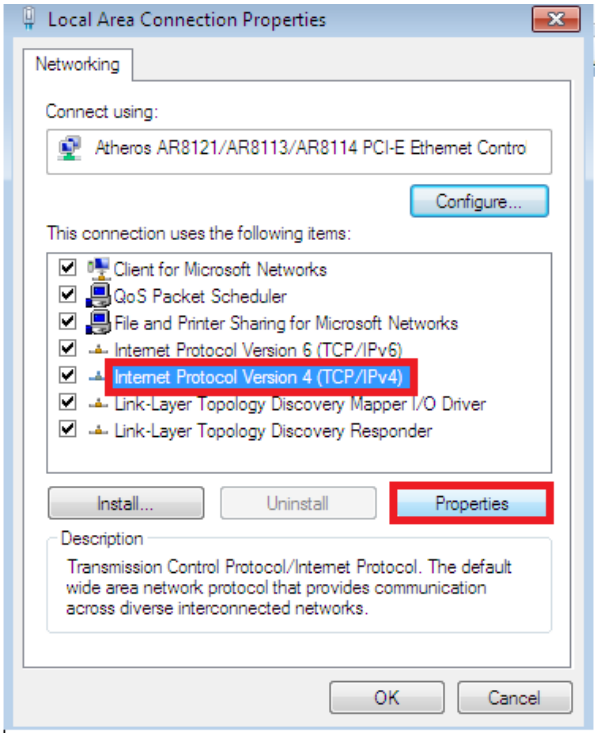
2. Click “Change adapter settings” in the Network Task menu.


« Network and Internet ▸ Network and Sharing Center
Search Control Panel
Control Panel Home
Change adapter settings
Change advanced sharing settings
View your basic network information and set up connections
See full map
RAYLIOS-PC
(This computer)
Network
Internet
View your active networks
Connect or disconnect
Network
Work network
Access type: Internet
Connections: Local Area Connection
Change your networking settings
Set up a new connection or network
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
Connect to a network
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
Choose homegroup and sharing options
Access files and printers located on other network computers, or change sharing settings.
Troubleshoot problems
Diagnose and repair network problems, or get troubleshooting information.
See also
HomeGroup
Internet Options
Windows Firewall

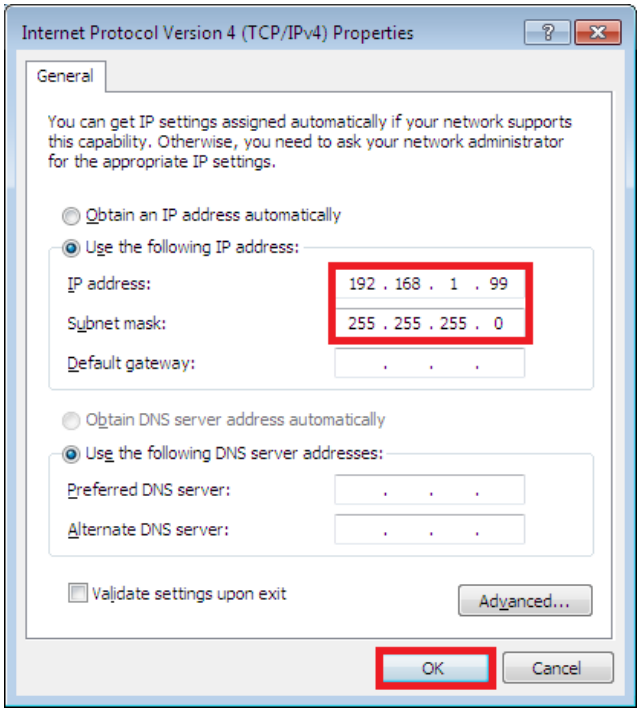
3. Click “Lacal Area Connection” Click Right



4. Click “Internet Protocol (TCP/IP)”, and then click [Properties]



5. Click the “Use the following IP address” radio button and enter IP address and the subnet mask.

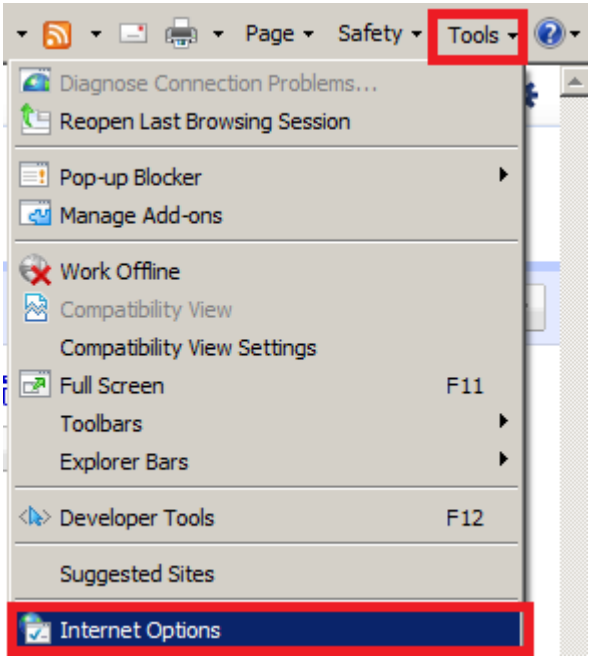

Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 1 . 99
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

Please set the settings as below.
IP address: 192.168.1.xxx
Subnet mask: 255.255.255.0
(**NOTE**: xxx should be a number from 1 to 254 except 50, which is used by the IP device. Please also make sure that no two equipments use the same IP address in the same network.)

Click the [OK] button and the window dialog box will close.

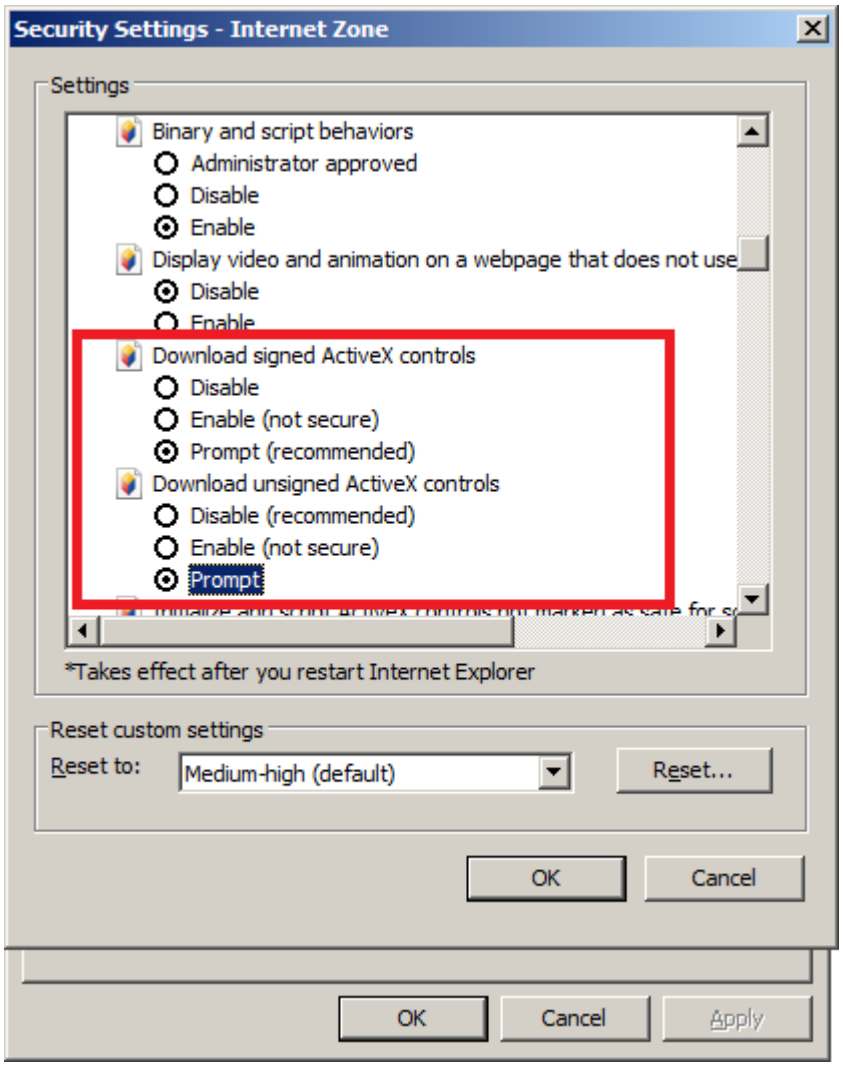
Set ActivX

1. Toolbar→Tools→Internet Options



2. Security→Click the Custom Level…

3. “Download signed ActiveX controls” and” Download unsigned ActiveX controls”, Click the “ Prompt”



4. Click the “ Alppy”

Recommended PC Specification

CPU

Core2Duo 2.13GHz and above

Memory

2GB or above

Operating System

Windows XP with SP2 or above. Windows Vista / Windows 2003 / Windows 7

Internet Explorer 6.0 SP2 and above.

Video Resolution

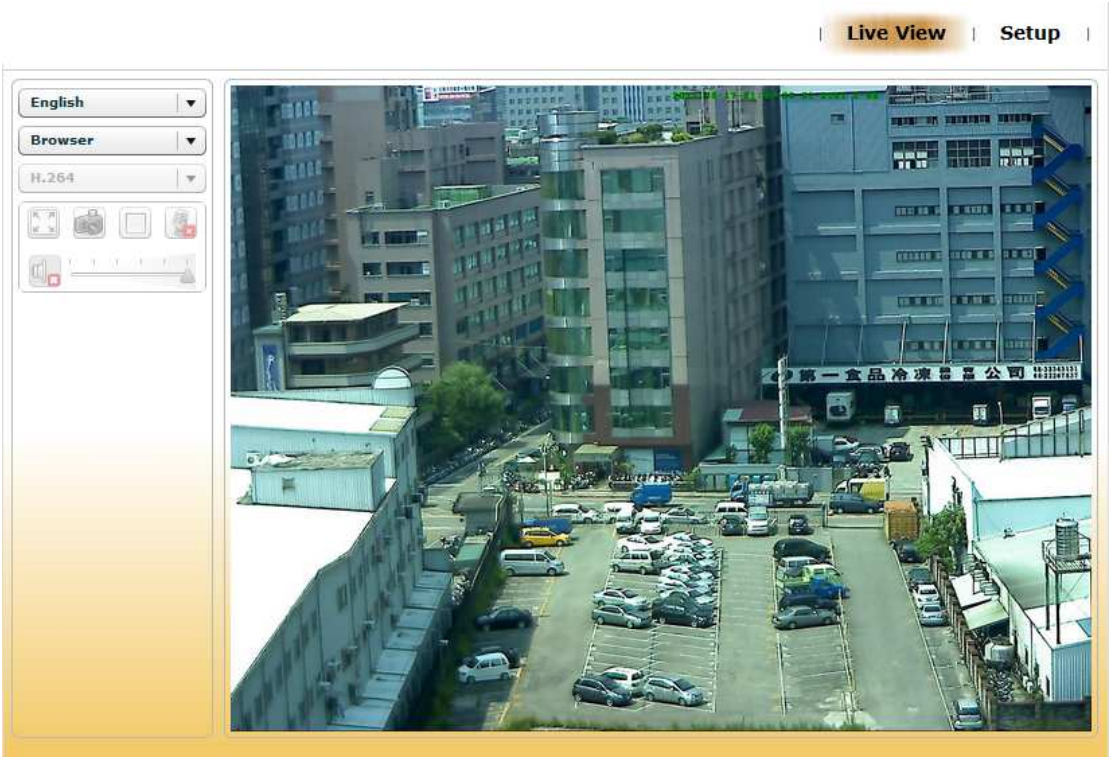
SVGA or XGA with 1024x768 resolution

Kindly refer to the Solution Commander to choose the suitable PC Specification:

http://www.raylios.com/calculators.asp?ID=36&ChannelID=104&lang=en

Layout

Live view



This chapter explains the layout of the Live View page. It is composed of the following sections:

1. Click the [Live View] tab to show [Live View page].
2. IF you want to setup this IP camera/video server, please click the [Setup] tab to switch to “Setup Page”

3. Full Screen:

Click the icon to stretch the preview to full screen. You can click “Esc” button on the keyboard to return to previous display.

4. Snapshot:

Click the icon to take a snapshot. The snapshot picture will be saved to the default folder “C:\Users\Account Name\Documents\ArkViewer\pic”, in the format of YYYYMMDD_HH-mm-ss.jpg.

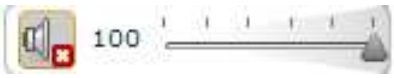
5. Manual Recording:

Click the icon to do the manual recording. The recording video file will be saved to
the default folder “C:\Users\Account Name\Documents\ArkViewer\avi”, in the format of YYYYMMDD_HH-mm-ss.avi.

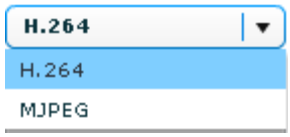
6. Audio out:

Click the icon to enable the audio out from PC to IP camera or video server. When it is enabled, your voice will be transferred to the audio out of the IP camera.

Note: You will need to have a microphone connected to your PC.

7. Audio in: 

Click the icon to mute or the icon to receive audio in from the IP camera. Drag the volume bar to adjust the volume.

8. Stream Codec: 

Click to select the compression codec used in video. The codec type option includes H.264, MPEG4 and MJPEG. Once selected, the IP camera will start to send video in new stream type.

9. Language:

Click to select the language of user interface. English / Traditional Chinese

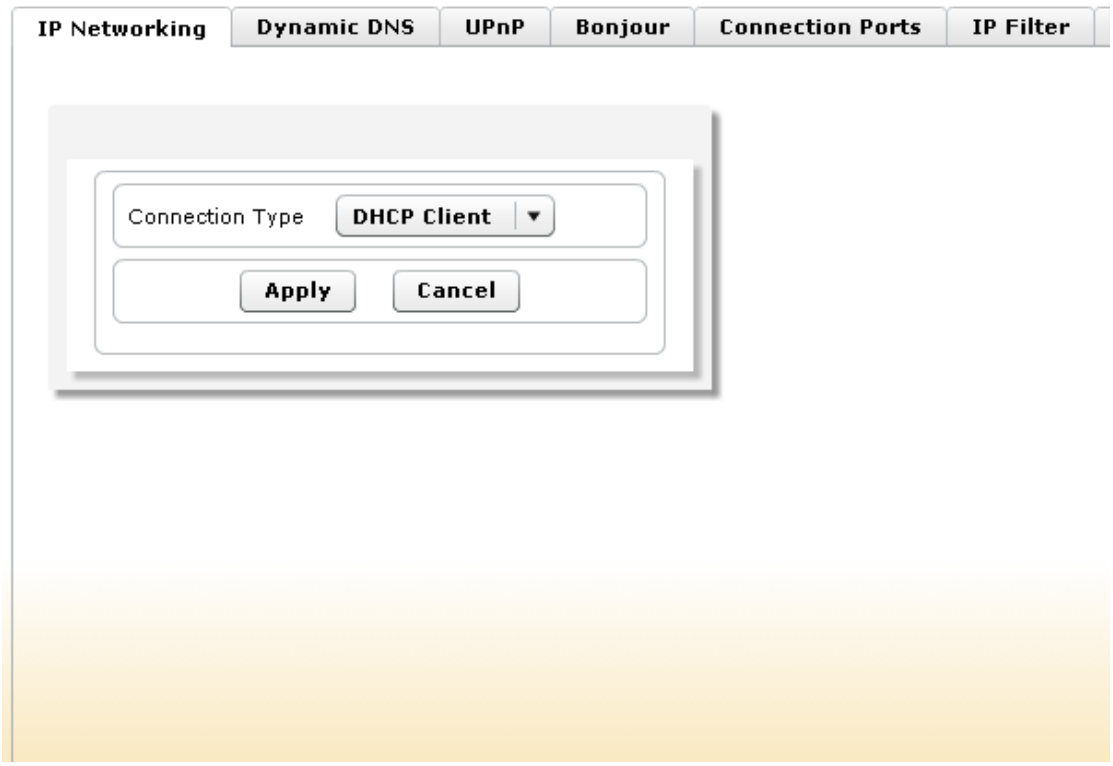
Setup

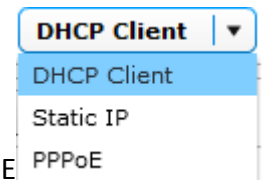
This chapter explains how to select the stream transmission mode and saving options of firmware in IP Cameras. When completed with the setting on this page, click “Apply” on the page bottom to enable the settings.

Network

IP Networking

1. Click the [Setup] tab to show [Setup page].
2. Click the [Network] tab to show [Network page]
3. Click the[IP Networking] tab to show [IP Networking page]



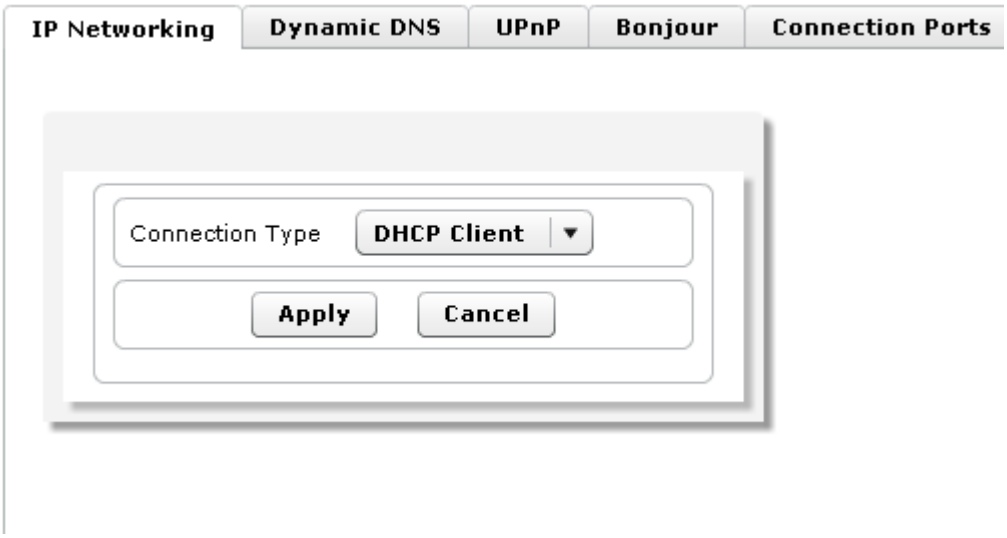


Connection Type: select the DHCP Client / Static IP / PPPoE

- DHCP Client

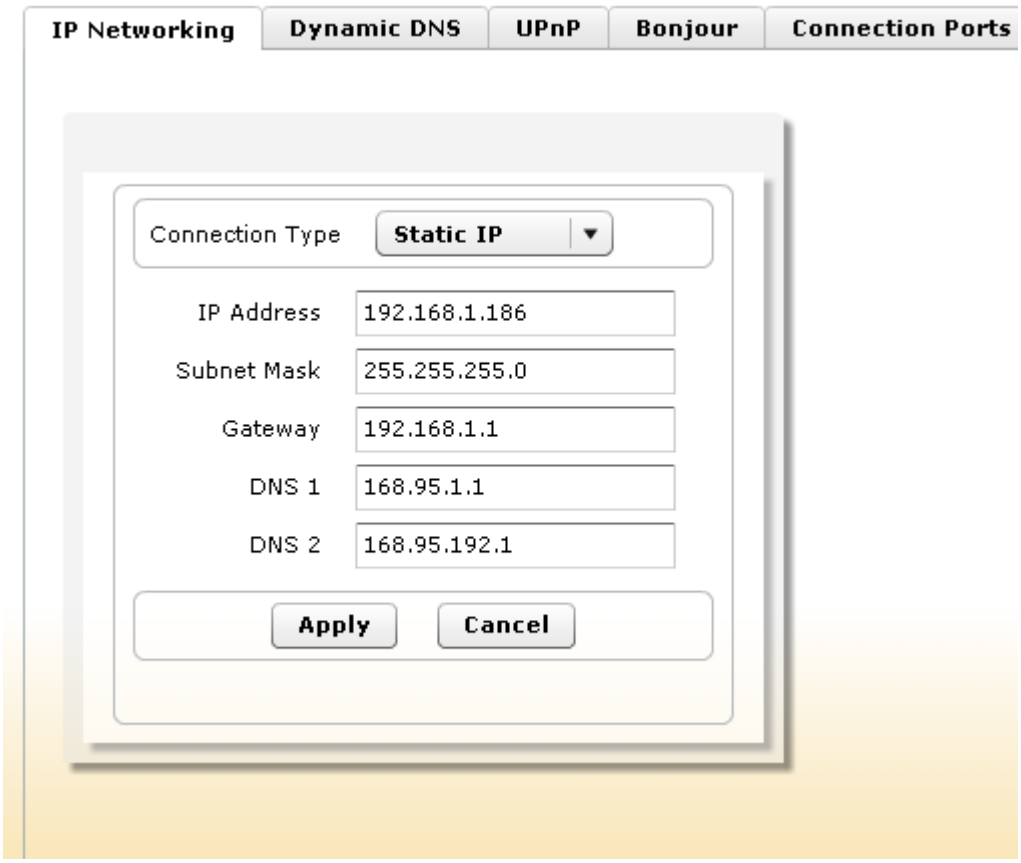
  Choose the Connection Type as [DHCP Client]

  Click “Apply” to confirm the DHCP function.



- Static IP

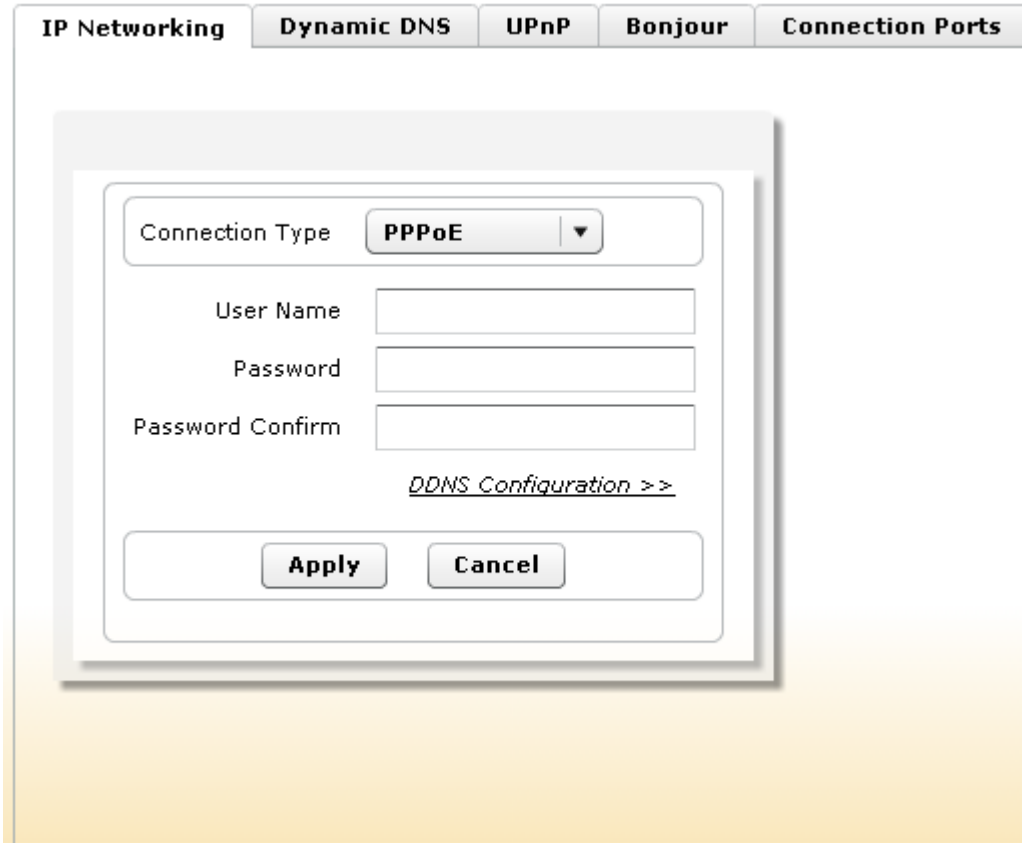
  Choose the Connection Type as [Static IP]



1. IP Address: you can setup the IP address of this IP camera, kindly refer to the Connect to device and setup IP for more detail setting.
2. Subnet Mask: should be 255.255.255.0
3. Gateway:192.168.1.1
4. DNS1:168.95.1.1
5. DN2: 168.95.192.1

- PPPoE

  Choose the Connection Type as [PPPoE]



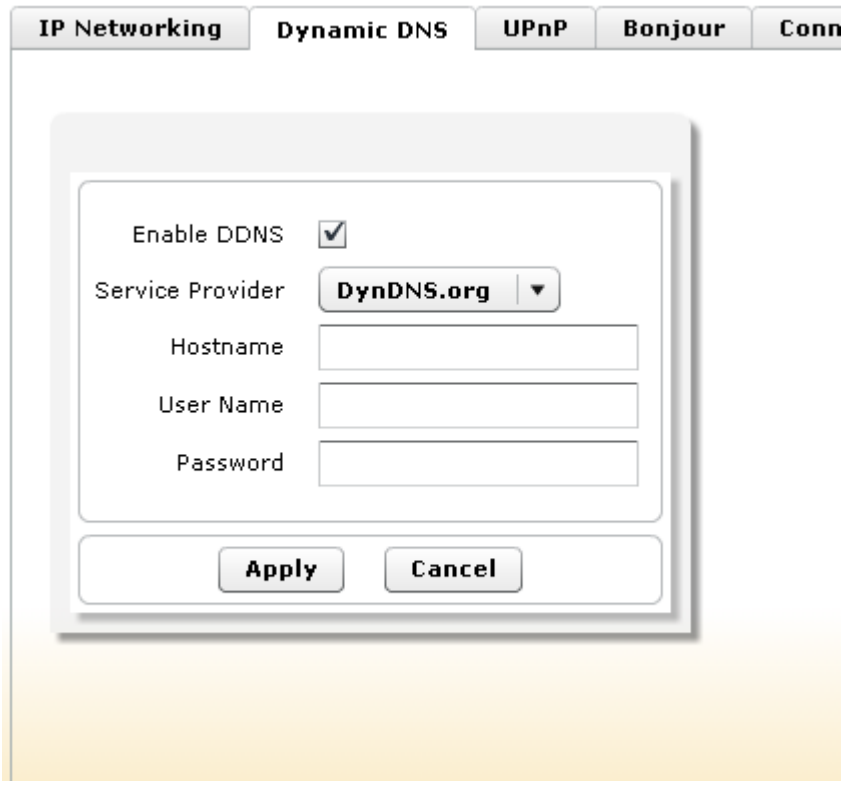
PPPoE requires an account provided by your ISP

Edit the User Name and Password, and then confirm the password. Click “Apply” to confirm the Edition and PPPoE function.

Dynamic DNS

DDNS configuration >> change to DDNS function enable page.

Click the [Dynamic DNS] item to show the [Dynamic DNS setting page]



DDNS is a service that allows your IP Camera, especially when assigned with a Dynamic IP address, to have a fixed host and domain name.

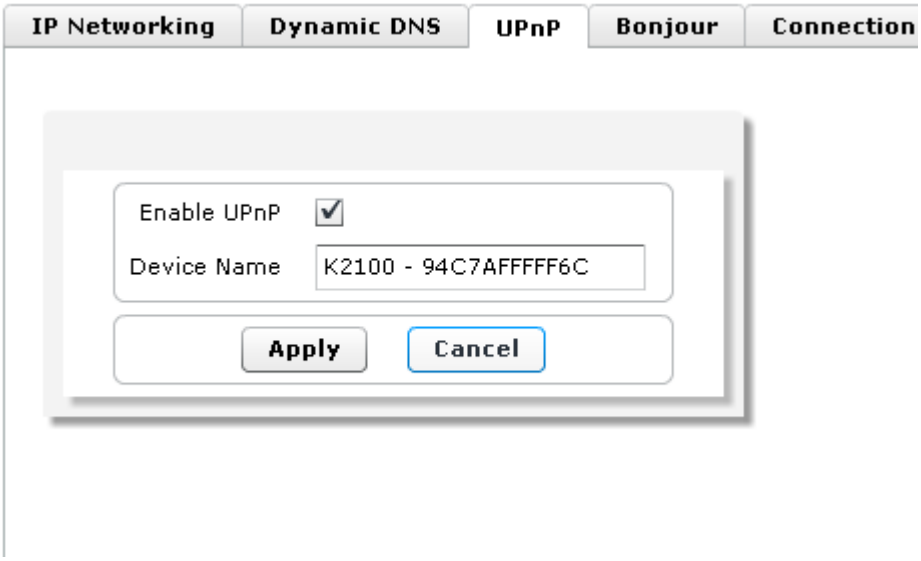
1. DDNS Service: click the check point to enable or disable the DDNS Service function.

Refer to the following links to apply for a dynamic domain account when selecting other DDNS providers:

Dyndns.org (Dynamic) / Dyndns.org (Custom): www.dyndns.com

UPnP

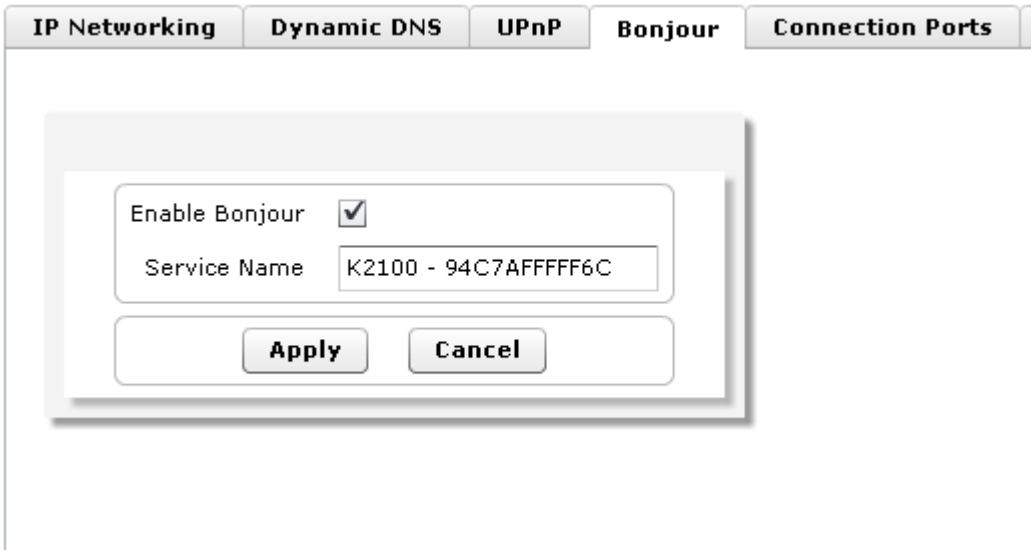
Click the [UPnP] item to display the [UPnP setting page]



1. Enable UPnP: click the checkbox to enable or disable the UPnP function.
2. Device name: Edit the device name in text field.

Bonjour

Click the [Bonjour] item to display the [Bonjour setting page]

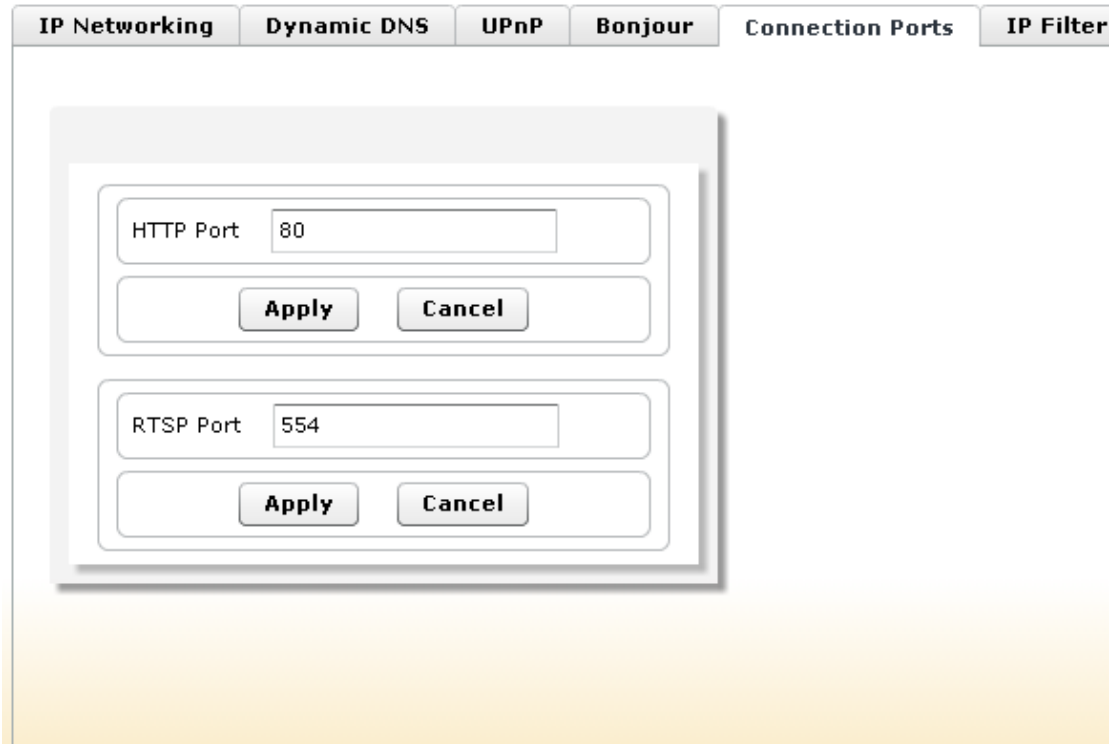


Bonjour let IP Camera work with MAC (Apple) Operation System.

1. Enable Bonjour: click the checkbox to enable or disable the Bonjour function.
2. Service name: Edit the device name in the text field.

Connection Ports

Click the [Connection Ports] item to display the [Connection Ports setting page]

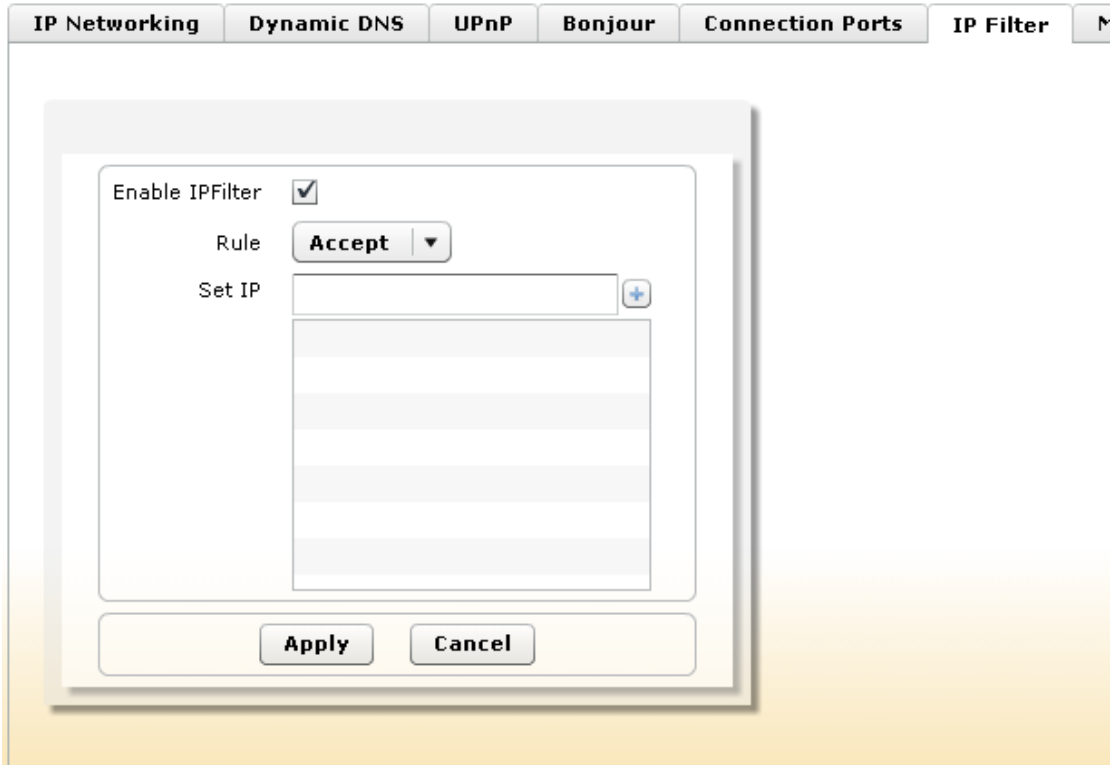


1. Setup the HTTP port: default setting will be 80, after setup, click “Apply”
2. Setup the RTSP port: default setting will be 554, after setup, click “Apply”

Can be assigned to another port number between 1025 and 65535.

IP Filter

Click the [IP Filter] item to display the [IP Filter page].

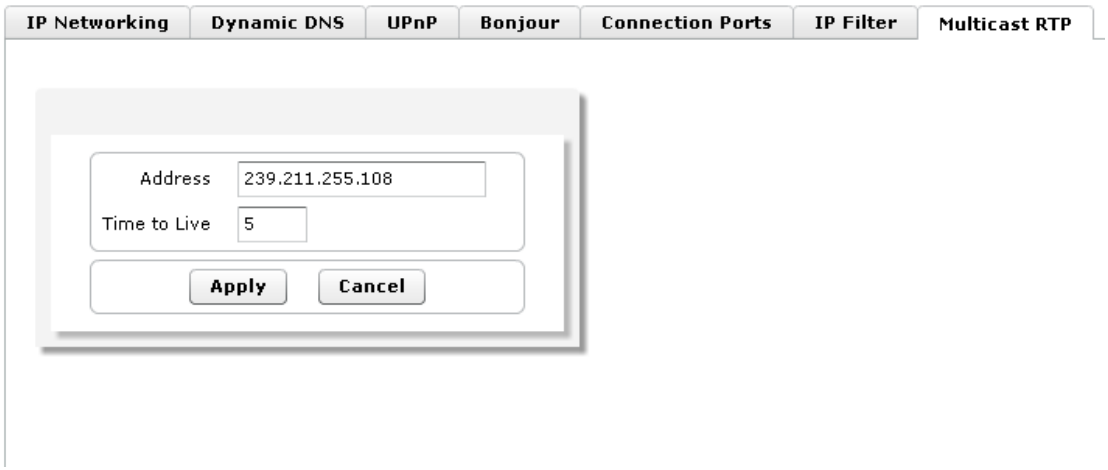


Only those clients whose IP address is on the Allowed list and not on the Reject List can access the IP camera.

1. Enable IP Filter: Click the checkbox to enable or disable the IP Filter function.
2. Rule: Accept / Reject the IP Address listed in the below.
3. Set IP: Key in IP Address.
4. After setup, Click “Apply”

Multicast RTP

Click [Multicast RTP] to show the [Multicast RTP page]



Multicast sends a stream to the multicast group address and allows multiple clients to acquire the stream at the same time by requesting a company from the multicast group address. Enable multicast can effectively save Internet bandwidth.

1. Address: Select the multicast IP address. Default settings is 239.243.251.26
2. Time to live: Set up the number of time to live.

Camera

Image Setting

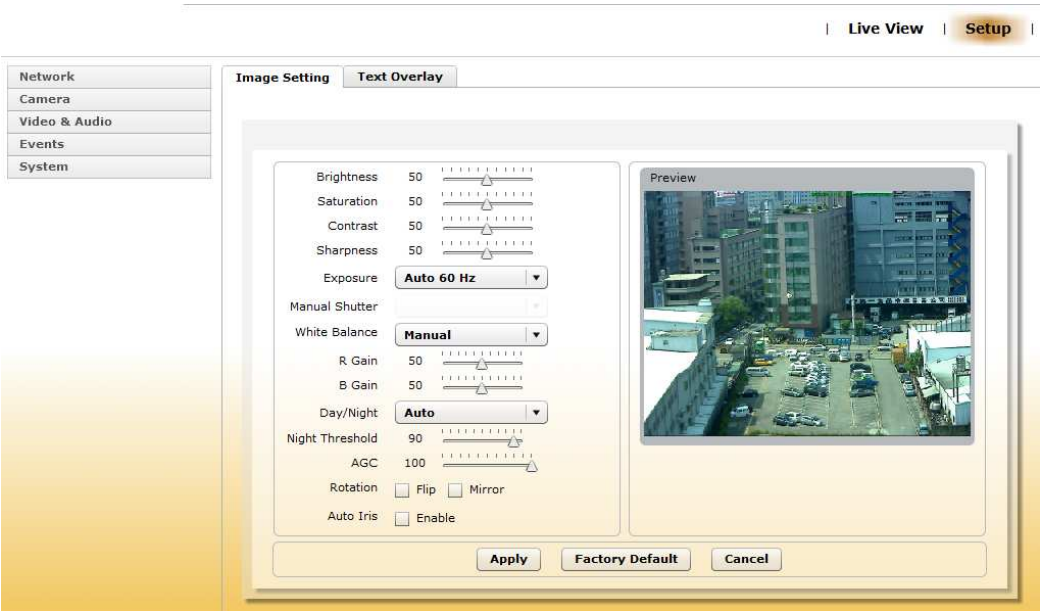


Image Setting: Image Setting Page. This tab concerns the general video settings.

1. **Brightness:** Select the value. The higher this value, the brighter view.
2. **Saturation:** Select the value. The higher this value, the more colorful view. Too colorful might be unnatural.
3. **Contrast:** Select the value. The higher this value, there are more level between Black & White, make the detail clearer. Noise might be clearer at the same time
4. **Sharpness:** Select the Sharpness value. The higher this value, the shape of item is clearer. Noise might be clearer at the same time.
5. **Exposure:** Select the Exposure mode for 60Htz or 50Htz.
6. **Manual Shutter:** Select the Shutter mode for
7. **White Balance:** Select the White Balance mode for
    a. **Auto:** the IP Camera automatically adjusts the color of the light in response to different lighting condition. The white balance setting defaults to Auto and works well in most situations.
    b. **Manual:** Adjust the value of R-gain / B-gain to get the best color.
    c. **Hold Current:** follow the steps below to manually set the white balance to compensate for the ambient lighting conditions:

        Firstly: Set the white balance to auto and click “Apply”

        Secondly: Place a sheet of white paper in front of the lens, and then allow the IP Camera to adjust the color automatically.

        Thirdly: Select Hold Current to confirm the setting while the color is being measured.

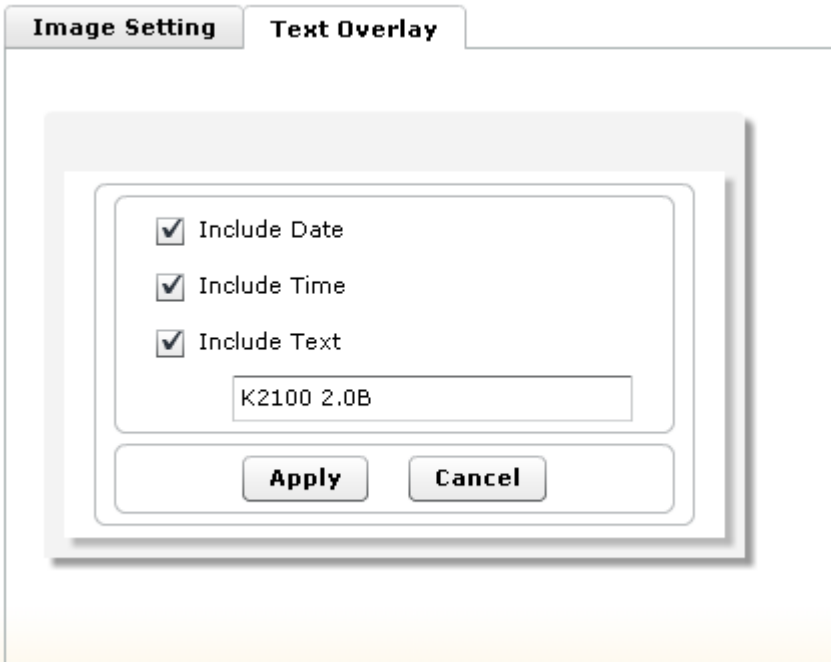
        Finally: Click “Apply” to enable the current setting

8. **R-gain:** the higher this value, the color is closer to red (warm color)
9. **B-gain:** the higher this value, the color is closer to blue (cold color)
10. **Day/Night:** Select the mode for Auto / On / Off of night mode (Black and White)
11. **Day Threshold:** Select the Threshold value. The higher this value, the easier turn to night mode.
12. **AGC:** Select the AGC value. The higher this value, the larger each signal, included brightness, and noise.
13. **Rotation:** Click to enable or disable “Flip” & “Mirror”
14. **Auto Iris**: Click to enable or disable “Enable”

You can see the preview to fine-tune the image, or click restore to recall the original settings without incorporating the changes. When completed with the settings on this page, click “Apply” to enable the setting.

Text Overlay

Click the [Text Overlay] item to display the [Text Overlay Page].



1. Include date: Click the checkbox to enable or disable the date of text overlay.
2. Include time: Click the checkbox to enable or disable the time of text overlay.
3. Include text: Click the checkbox to enable or disable the text which you edit in the column.
4. Product serial number
5. After setup, click “Apply”

Video & Audio

Video

Click the [Video] item to display the [Video Page]. The functions here are

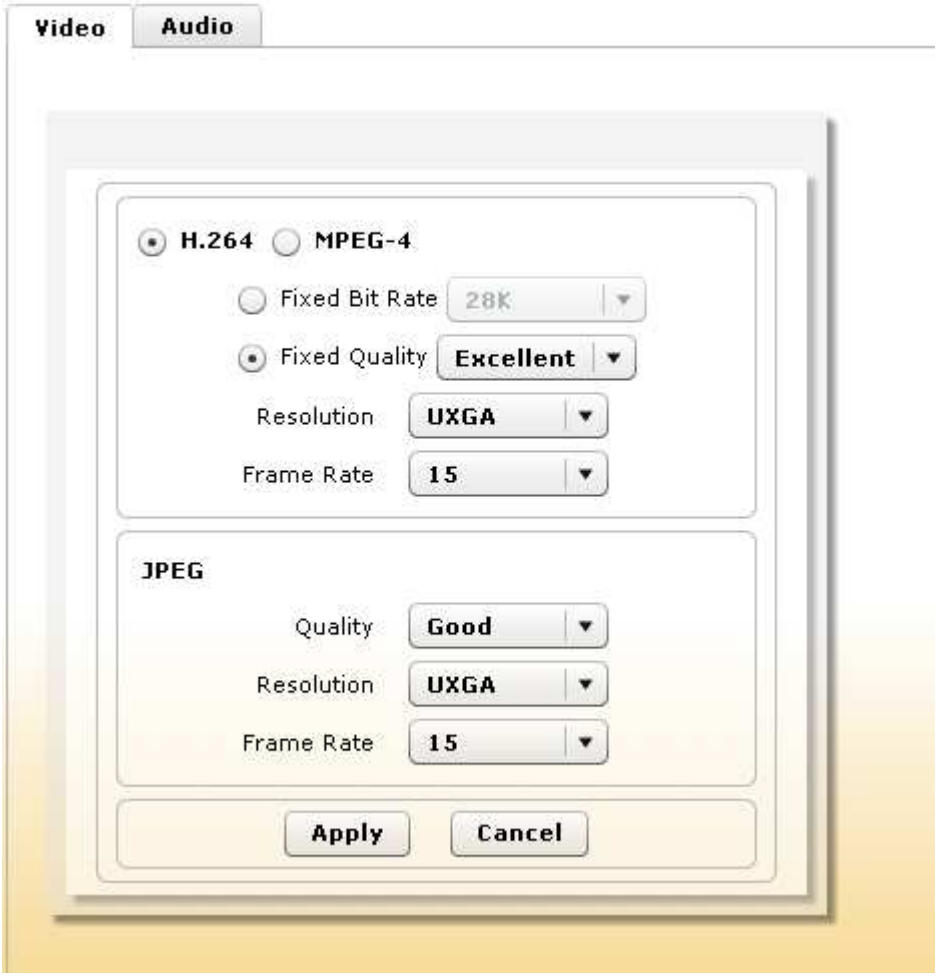


Image Setting

- **H.264:**

a. Fixed Bit Rate: select the Video bit rate value remains constant at all conditions

From Max: 6M to Min: 28k

Kindly refer to the Solution Commander to choose the suitable Bit rate:

Solution Commander

Video Setting			Bandwidth Consumption		
Resolution	Frame Rate	Bit Rate (Kbps)	4 ch (Mbps)	16 ch (Mbps)	64 ch (Mbps)
SXGA (1280x1024) HD 720P (1280x720)	15	2048	8	33	131
	10	1536	6	25	98
	5	768	3	12	49
	1	384	2	6	25
VGA (640x480)	30	1536	6	25	98
	15	1014	4	16	65
	10	768	3	12	49
	5	512	2	8	33
	1	384	2	6	25
QVGA (320x240)	30	1024	4	16	66
	15	512	2	8	33
	10	384	2	6	25
	5	256	1	4	16
	1	128	1	2	8

b. Fixed Quality: select the Quality value for Standard / Good / Great / Excellent

c. Resolution: Select the video resolution of the IP Camera

UXGA: 1600x1200

HD 720: 1280x720

VGA: 640x480

QVGA: 320x240

d. Frame Rate: Select the available frame rate from the drop down menu.

This puts a hard cap on the maximum bit rate allowed in any given second of video streaming. Assigning a limited bit rate may result in a few dropped frames rate when the stream data overflows the allowed bit rate. Doing so will also disable Bit Rate setting below.

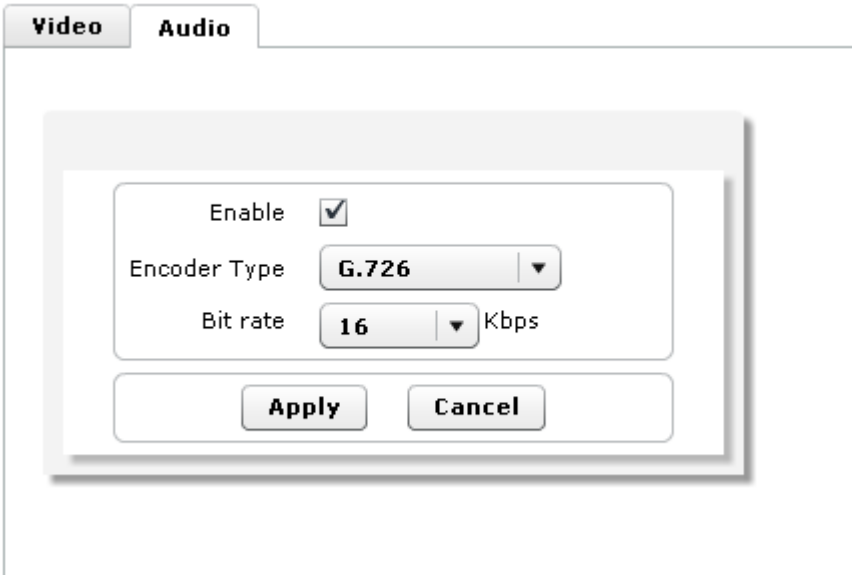
Under UXGA Resolution, the Max Frame rate will be 15 fps

Under VGA / QVGA / HD 720 Resolution, the Max Frame rate will be 30 fps

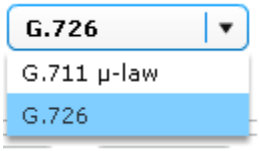
- **MPEG4:** Same concept as H.264
- **JPEG:** Same concept as H.264

Audio

Click the [Audio] item to display the [Audio Page].



1. Enable Audio: click the checkbox to enable or disable the Audio recording function by Audio in.
2. Encoder type: Select the encoder type by G.726 / G.711 μ-law
3. Bit rate: Set up the bit rate by 16 / 32 Kbps of Audio Stream.

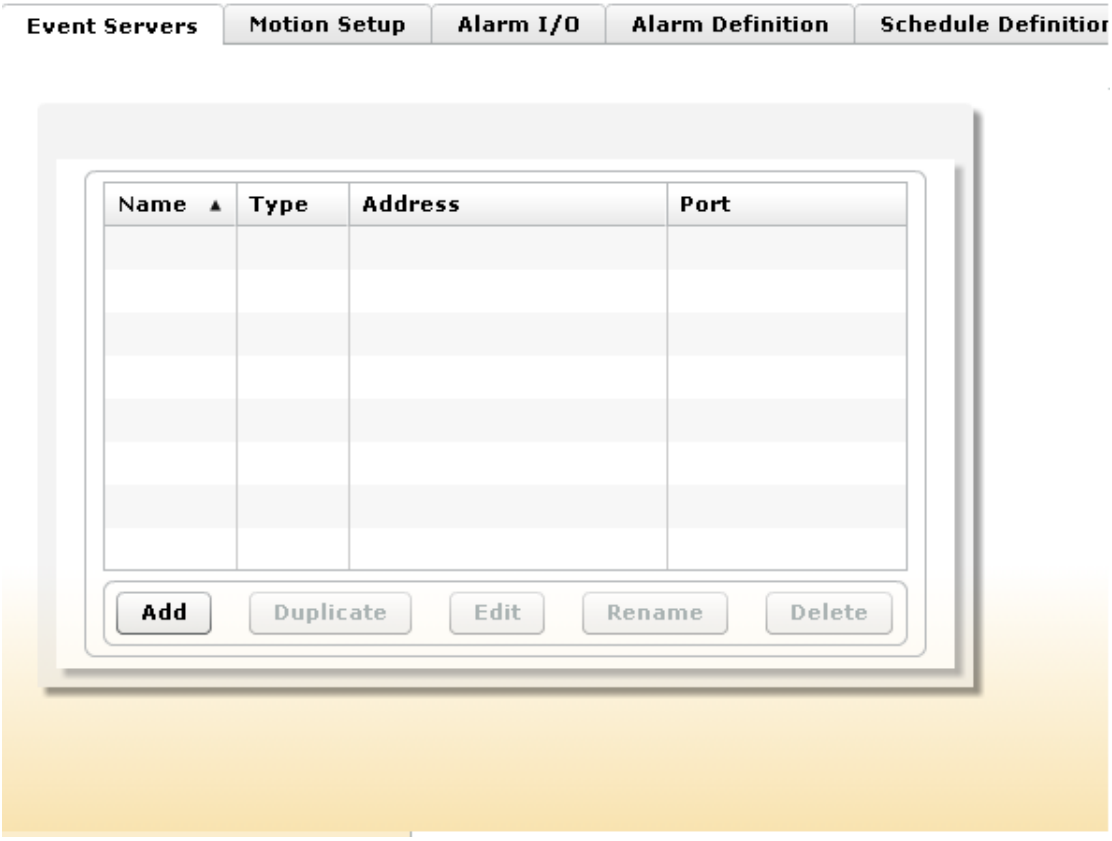


Events

Click the [Events] item to display the [Events Page].

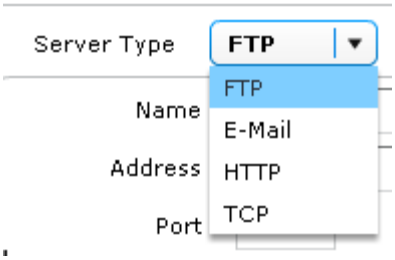
Event Servers

Click the [Event Servers] item to display the [Event Servers Page].



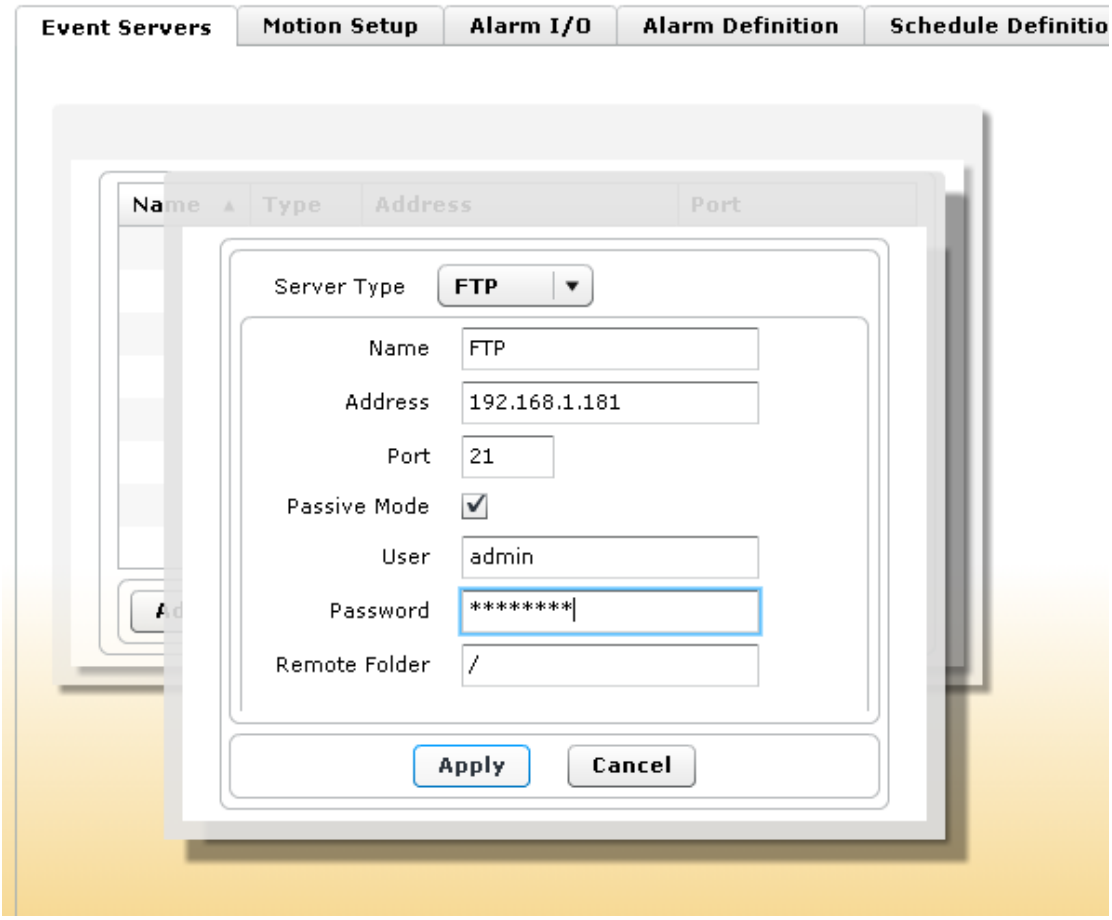
Click [Add] to Open the setup page.

Server Type: select the FTP/E-Mail/HTTP/TCP



Example Operation

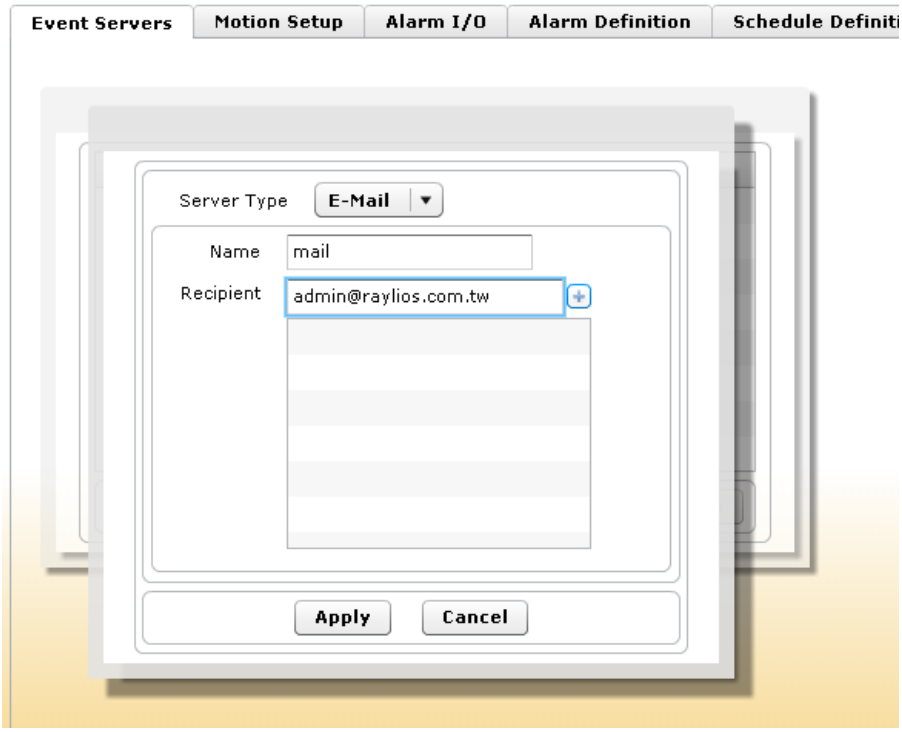
FTP



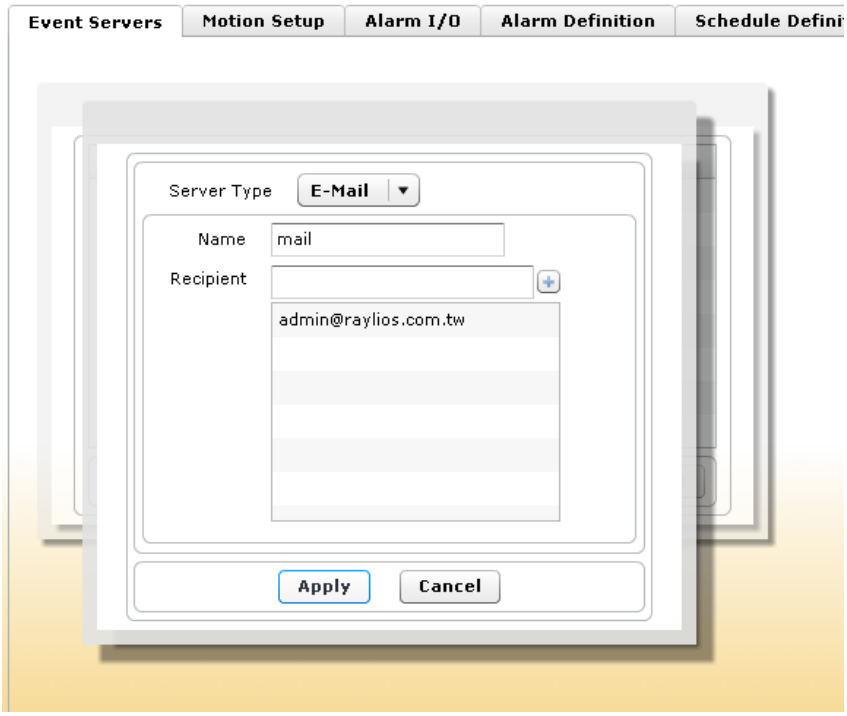
- Name: Edit the name of the server
- Address: Edit the address of the server
- Port: Edit the Port of the server
- Passive Mode:
- User: username
- Password: password
- Remote Folder:

Click “Apply” to confirm the setting.

E-Mail

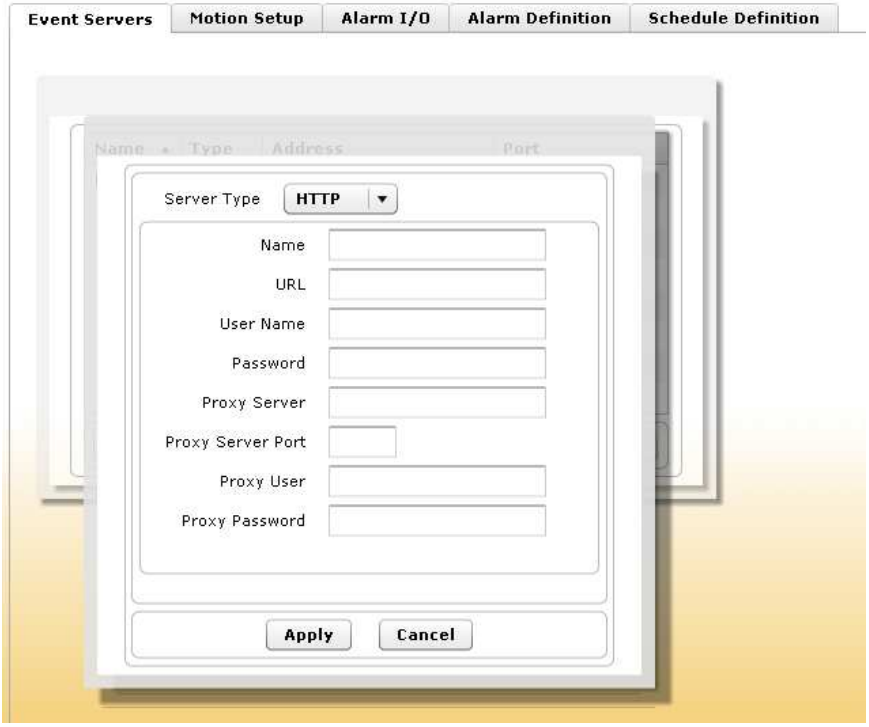


- Name: Enter the user name (Not with the FTP / HTTP / TCP to set the same user name)
- Recipient: Enter the recipient，Click the " + "(Can set up multiple)



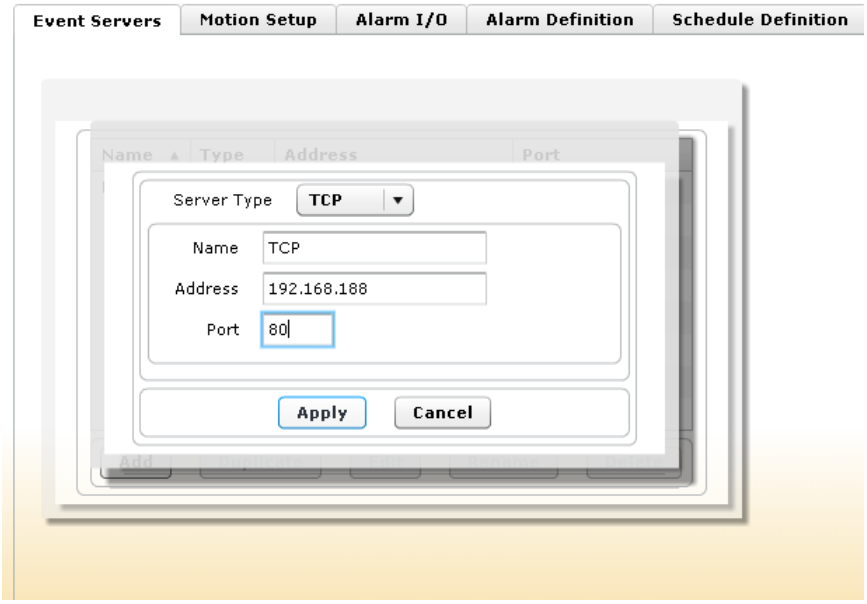
Click "Apply" to confirm the setting.

HTTP



If the user has installed HTTP Server, sequence input settings.
Click “Apply” to confirm the setting.

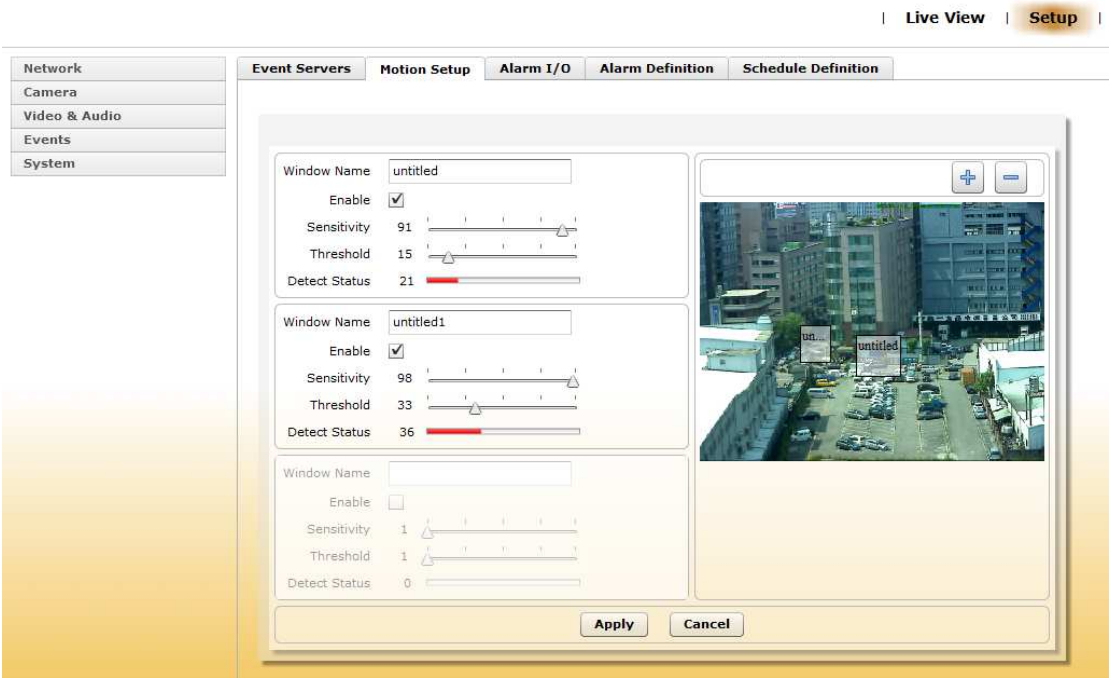
TCP



Enter Name (Not with the FTP/ HTTP/TCP to set the same user name)、Address、Port
Click “Apply” to confirm the setting.

Motion Setup

Click the [Motion Setup] item to display the [Motion Setup Page].



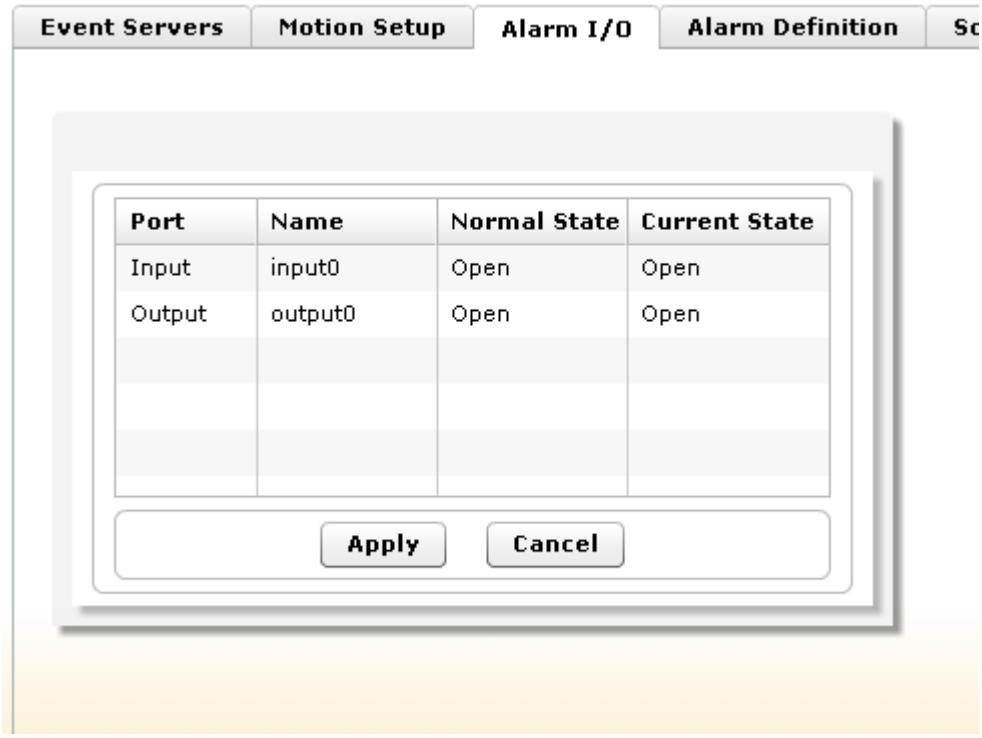
Separate into 3 Region of Motion Detection.

1. Click to add a new motion detection window.
   Once it is added, there will be a motion window shows in the live view screen.
   You can adjust column and Square, to set up the region as you want.
2. Click to cancel an exist motion detection window.

3. Window Name: Setup the name of motion window.
4. Enable: Click to enable or disable each motion window.
5. Sensitivity: Set the sensitivity of motion detection region, the higher this value, the easier camera considers video change to be an activity.
6. Threshold: Set the threshold of motion detection region, the larger this value, the larger the object size and activity needed to trigger motion detection.

Alarm I/O

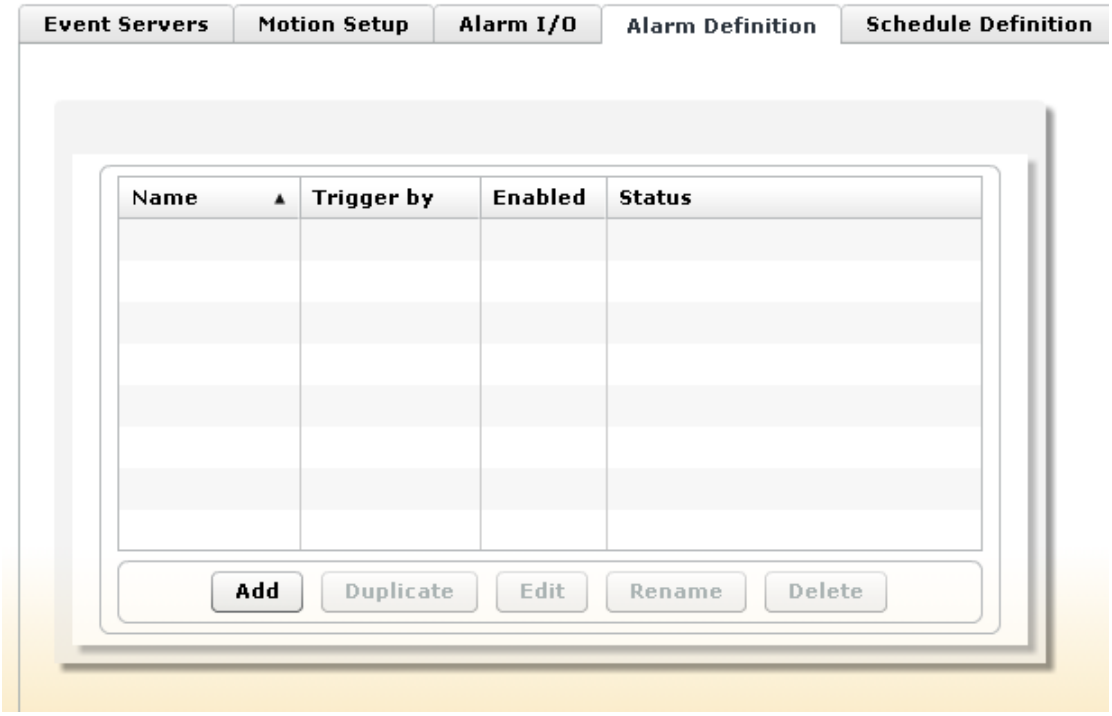
Click the [Alarm I/O] item to display the [Alarm I/O Page]



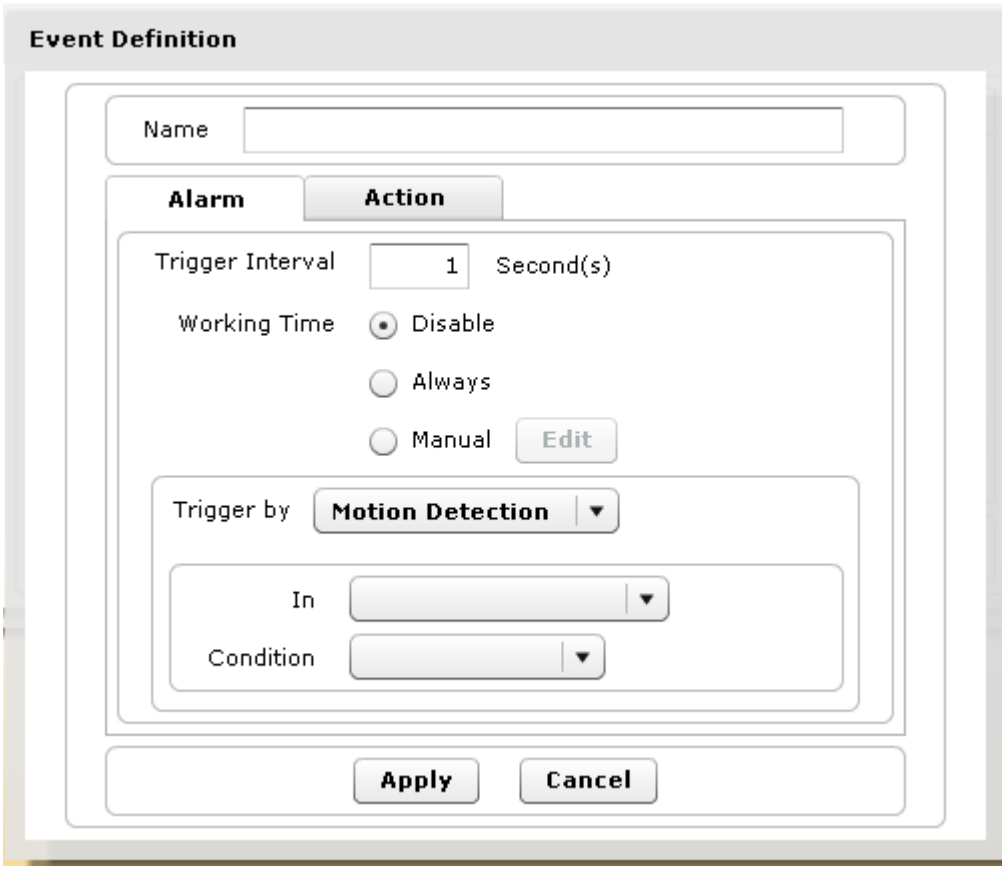
1. Port: Separate in to Digital Input / Output.
2. Name: Edit the name of Digital Input / Output.
3. Normal Status: Setup the normal status of Digital Input / Output.
4. Current Status: See the current status of Digital Input / Output.

Alarm Definition

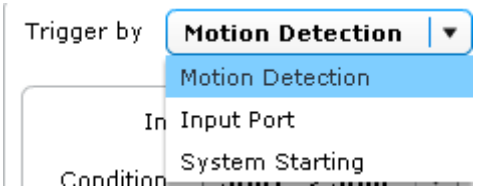
Click the [Alarm Definition] item to display the [Alarm Definition Page].



Click [Add] to Open the setup page.

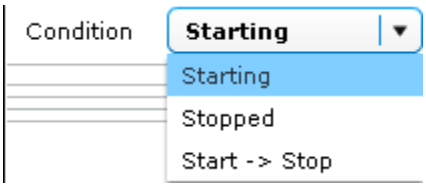


1. Name: Event Name
2. Alarm:
   a. Trigger Interval: Action time
   b. Working Time: select the Disable/Always/Manual
   c. Trigger by:



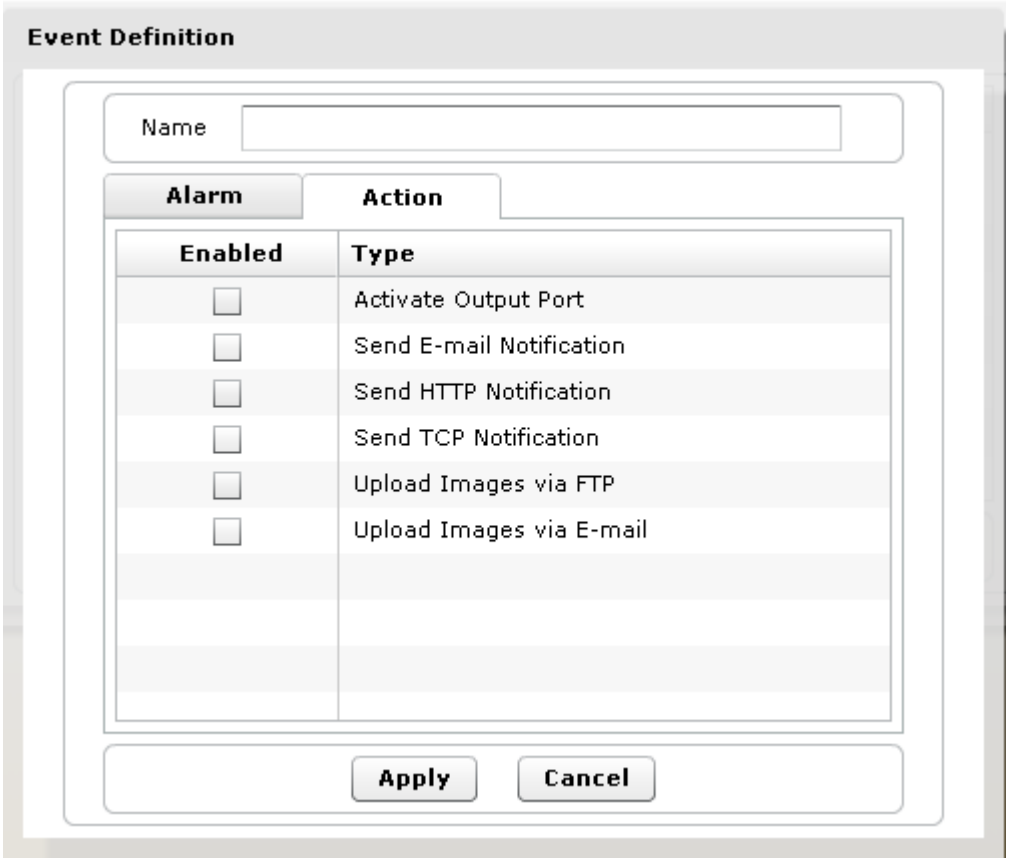
   - Motion Detection
   - Input Port
   - System Starting

   d. Condition:



   - Starting
   - Stopped
   - Start -> Stop

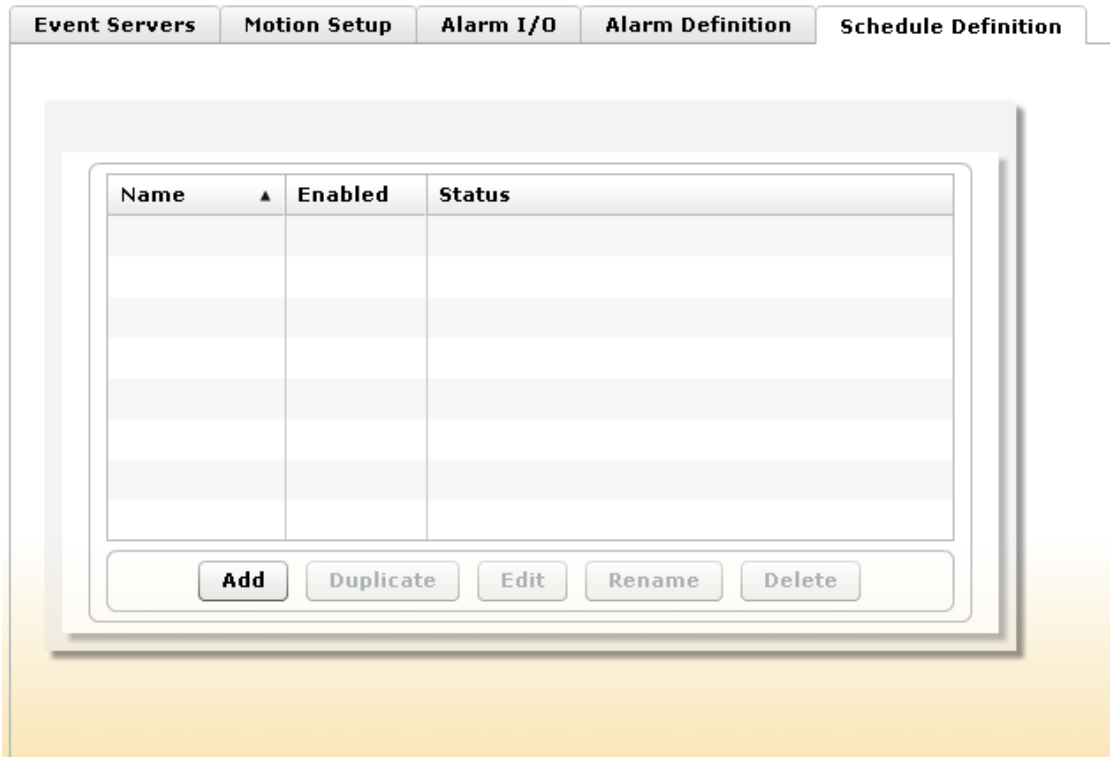
3. Action:



- Activate output port
- Send E-Mail notification
- Send HTTP notification
- Send TCP notification
- Upload images via FTP
- Upload images via E-Mail

Schedule Definition

Click the [Schedule Definition] item to display the [Schedule Definition Page].

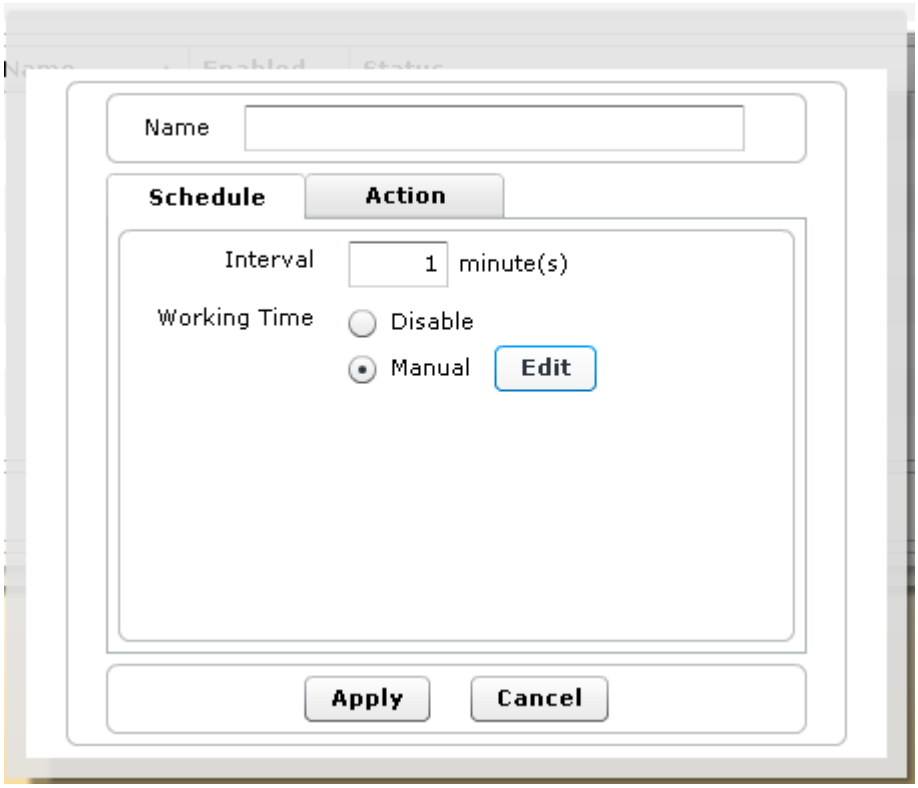


Methods of operation with the Upload images via Alarm Definition

Example Operation

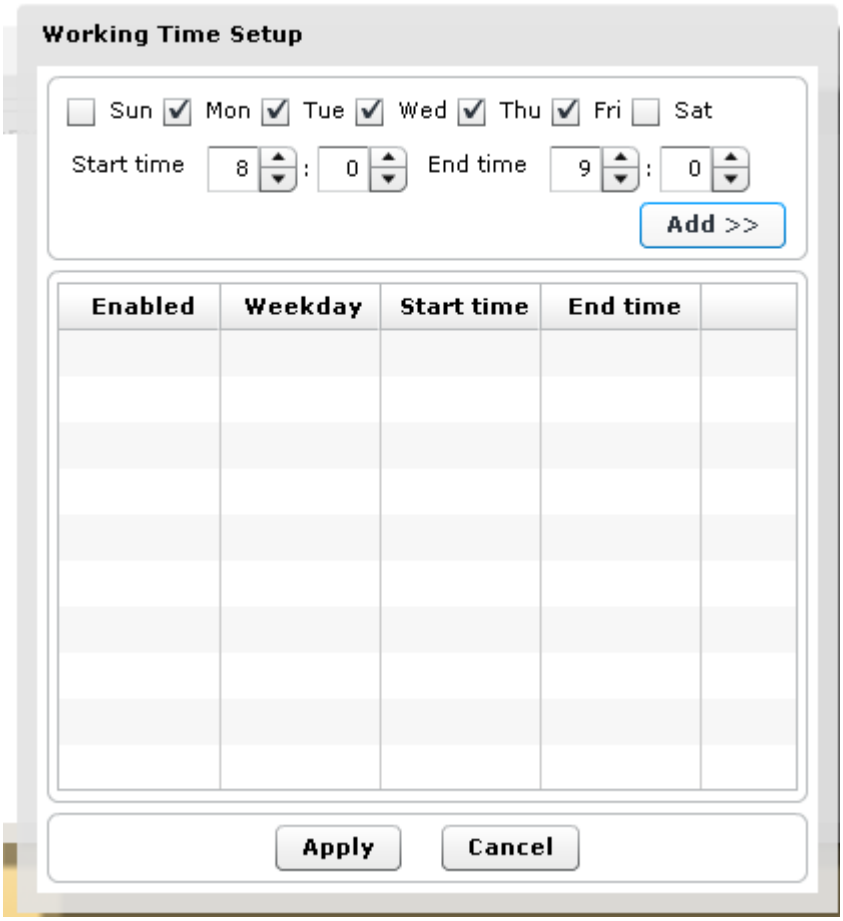
1. When the door is opened, alarm is triggered.

- Alarm



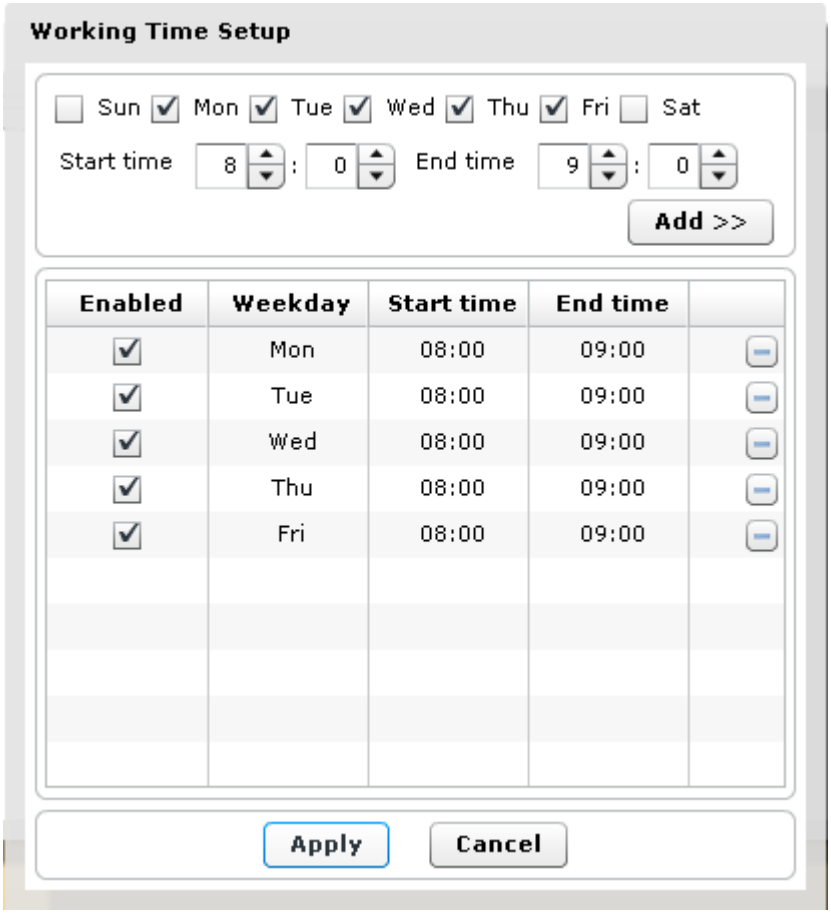
Name: Event Name(For example in Figure: Triggering alarm, the door is opened，So Named for the door)

Working Time: select Manual, Click the Edit



Into the edit page

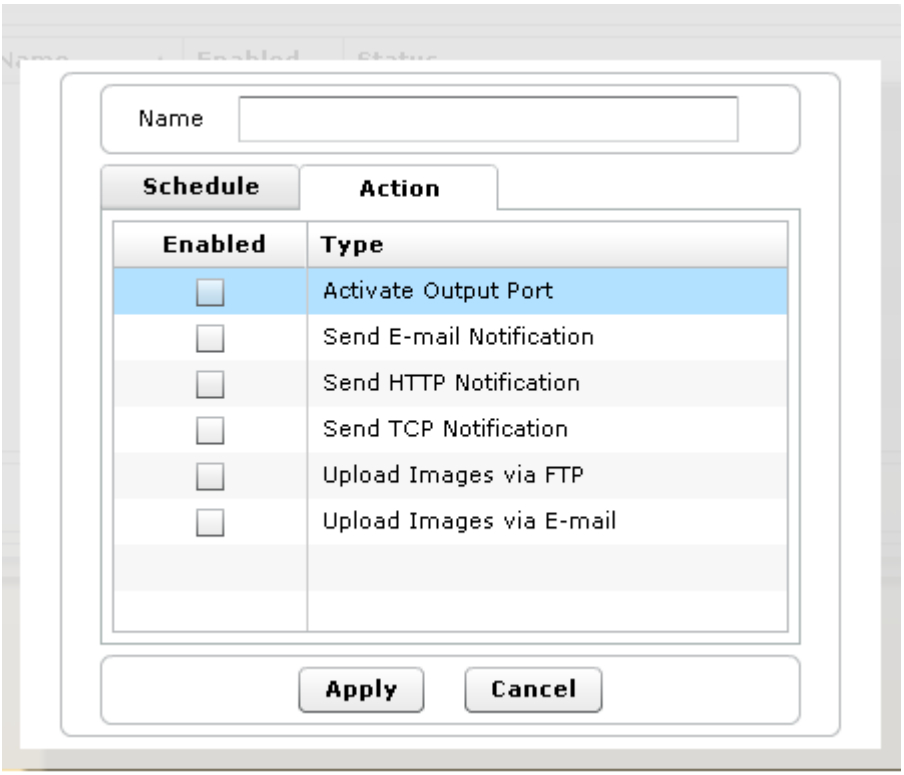
Example: Monday -Friday 8:00 am No one will enter the company , prevent malicious intrusion, setting time for Monday -Friday 8:00 am , then Click the [Add>>] (Can set up multiple)

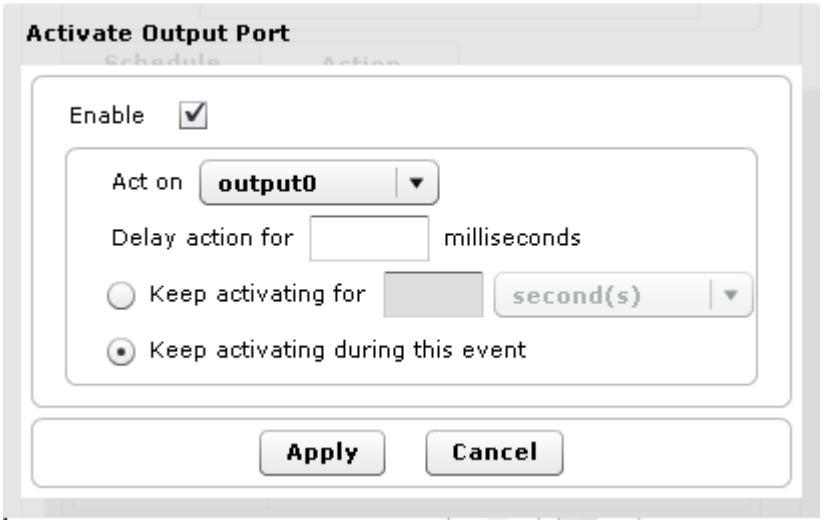


Click “Apply” to confirm the setting.

- Action

select the [Activate output port]



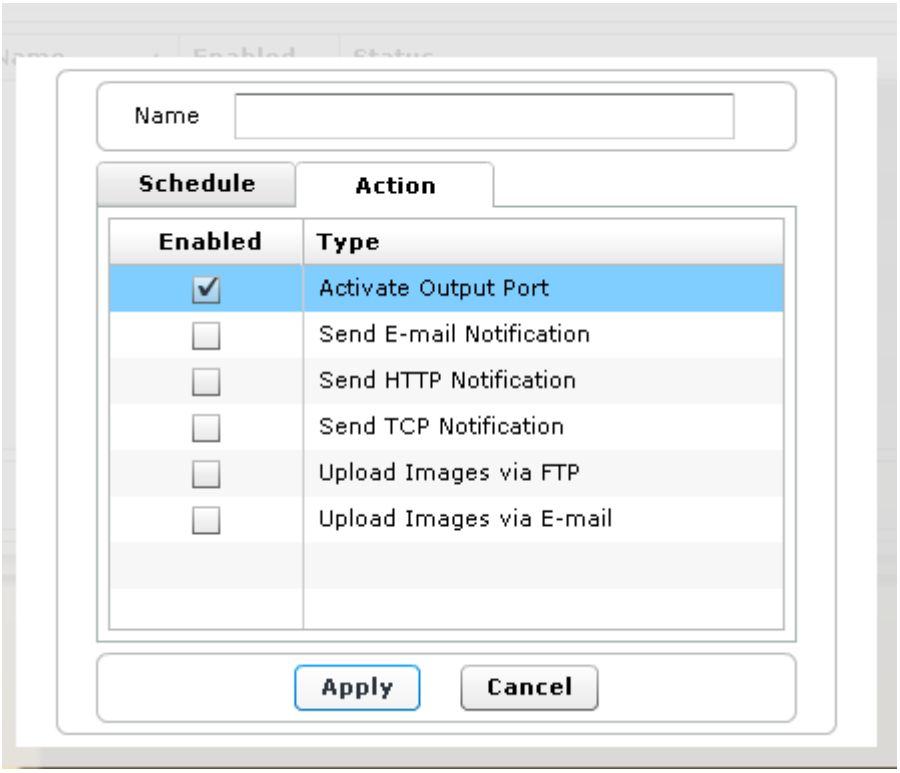


After the action，after a few seconds delay to start recording

click the check point to enable and set the last upload for a few seconds

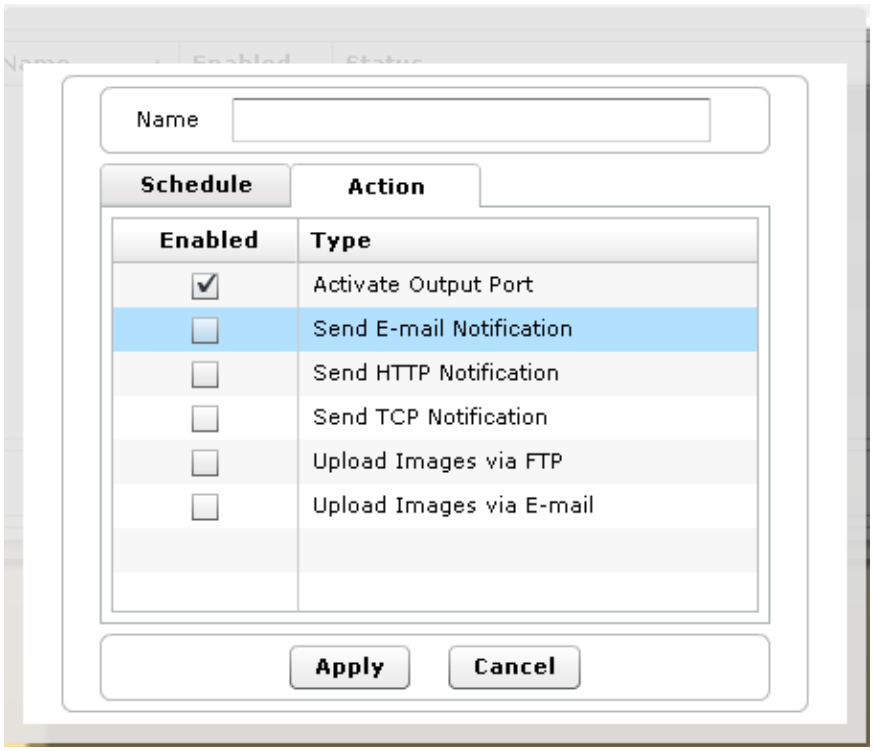
click the check point to enable the “Kepp activating during this event”Service function.

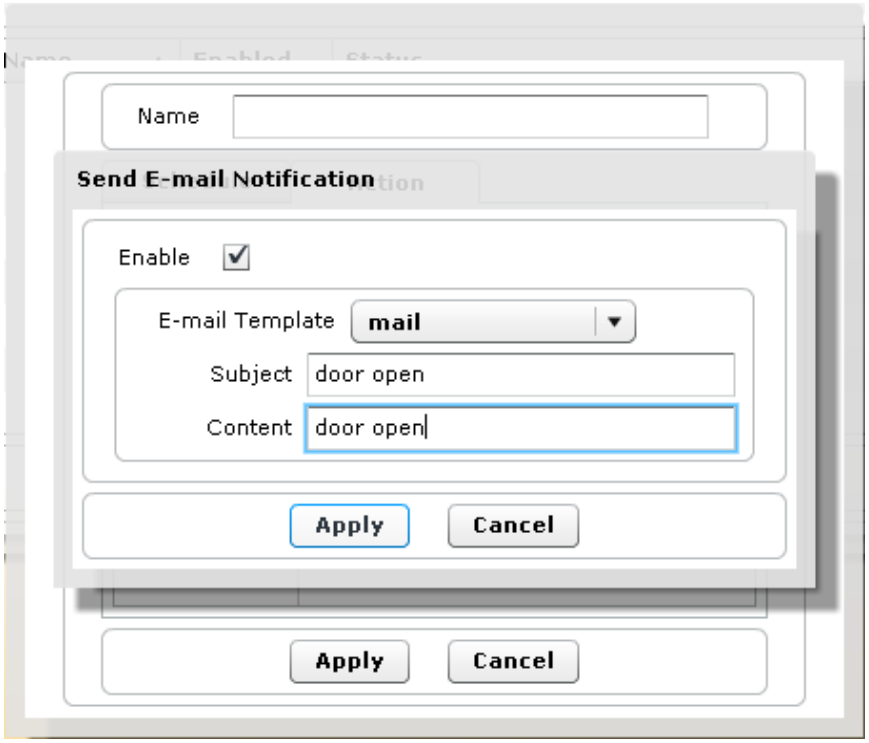
Click “Apply” to confirm the setting.



Click “Apply” to confirm the setting.

select the [Send E-Mail notification]



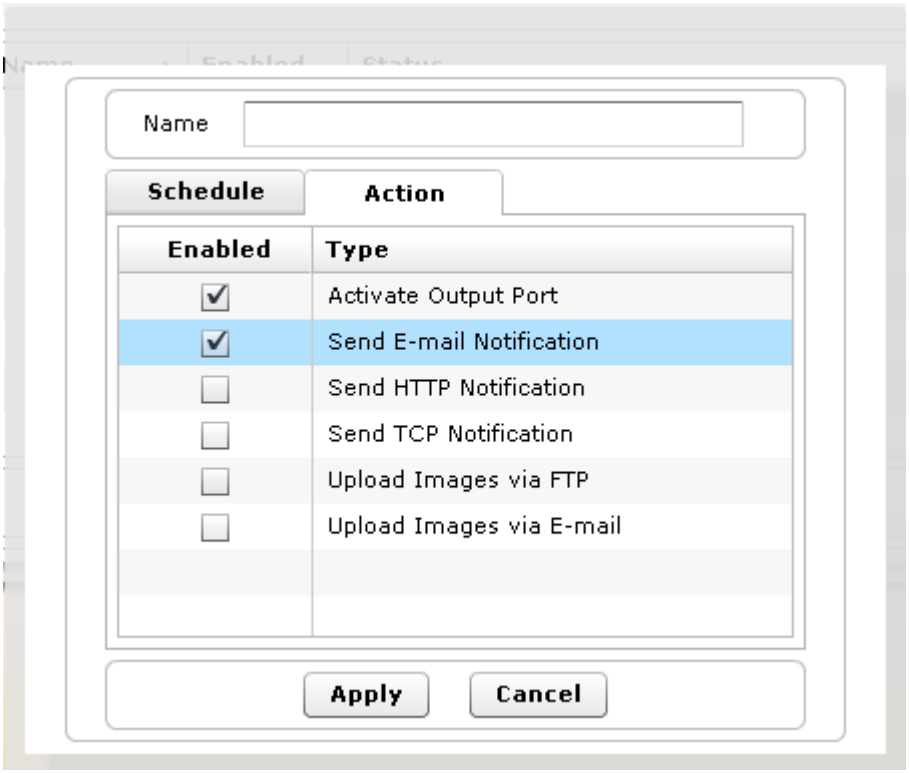


E-mail template: [Events]->[Event Servers] Set new E-Mail, select the [mail]

Subject key in “door open”

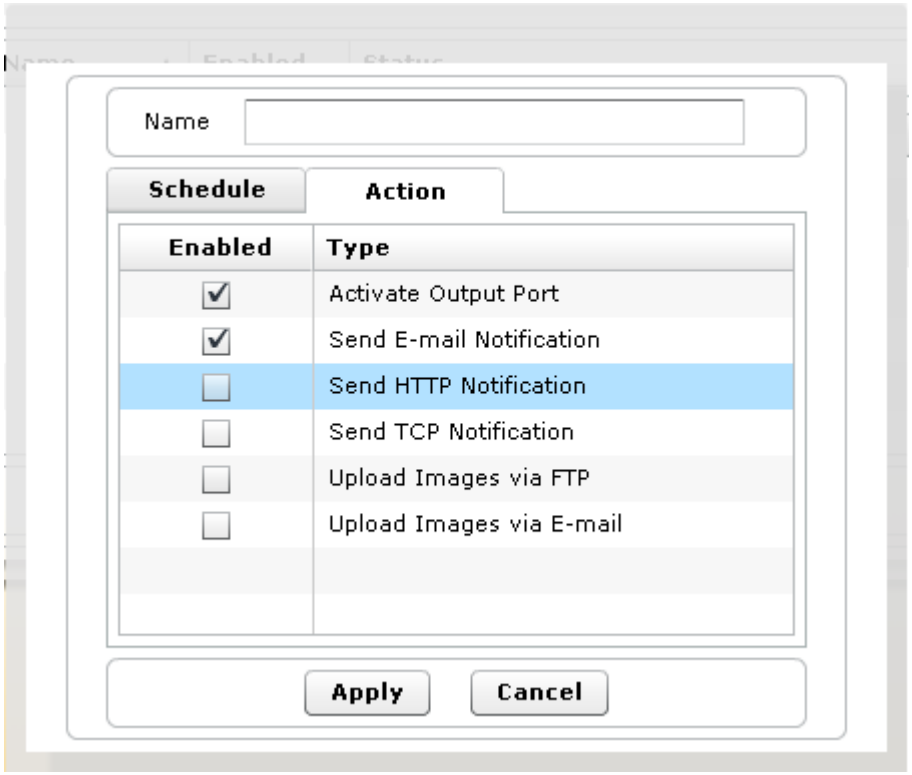
Content key in “door open”

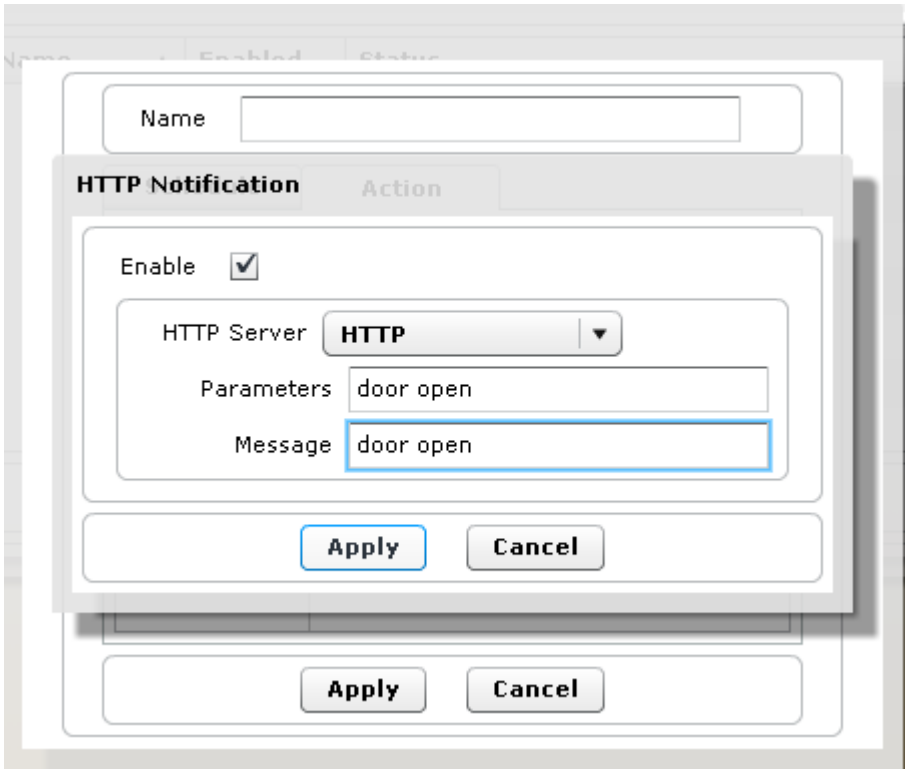
Click “Apply”



Click “Apply” to confirm the setting.

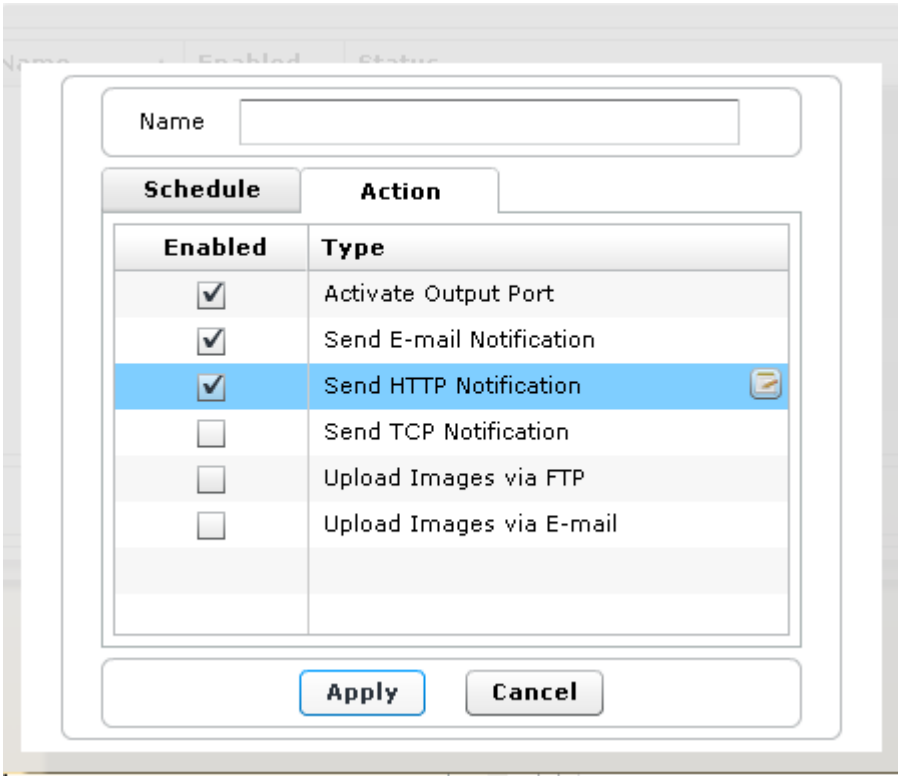
select the [Send HTTP notification]





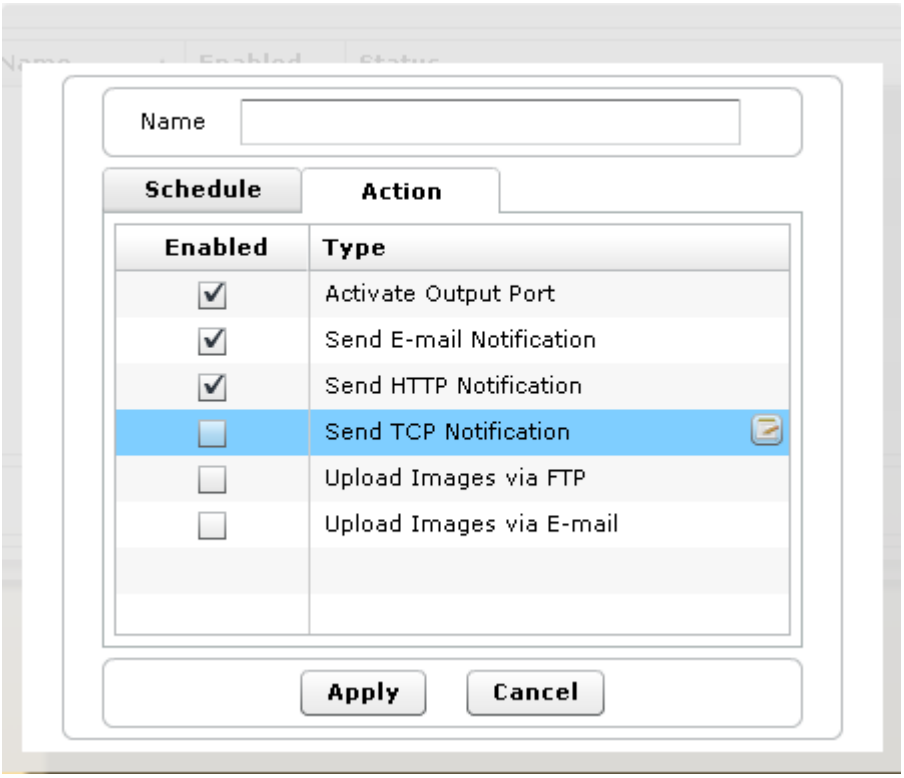
HTTP sever: select the [HTTP]

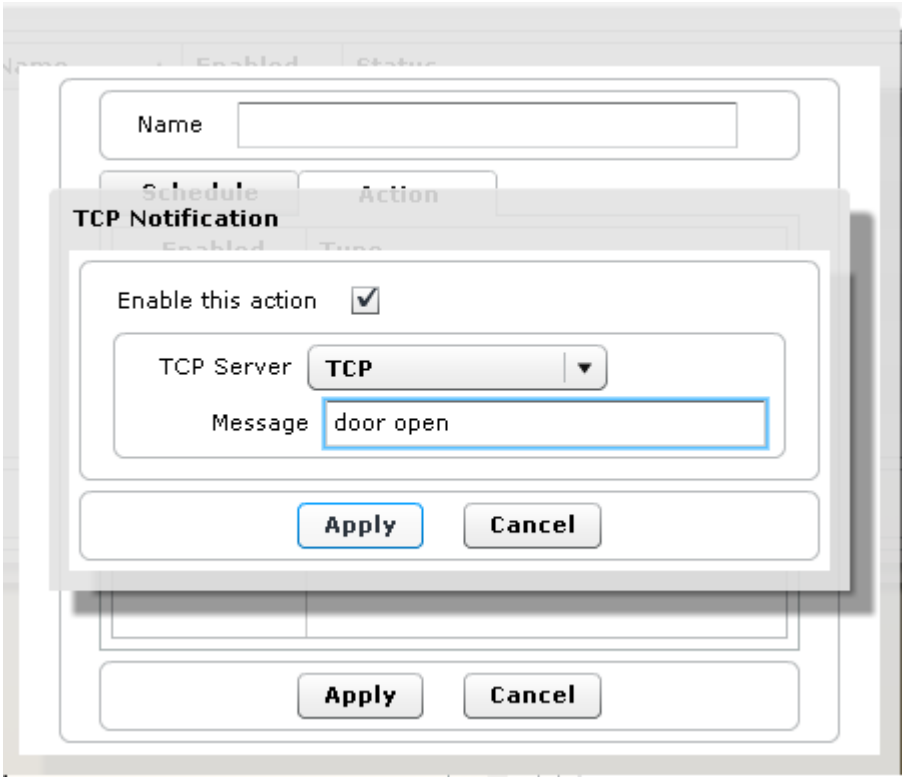
Massage: key in “door open”



Click “Apply” to confirm the setting.

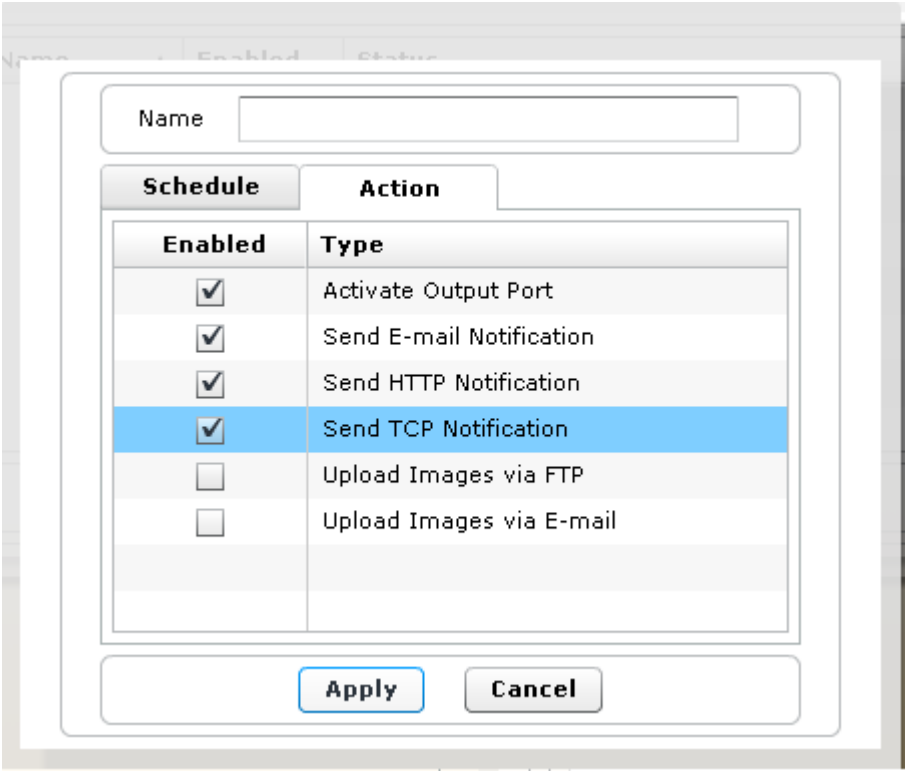
select the [Send TCP notification]





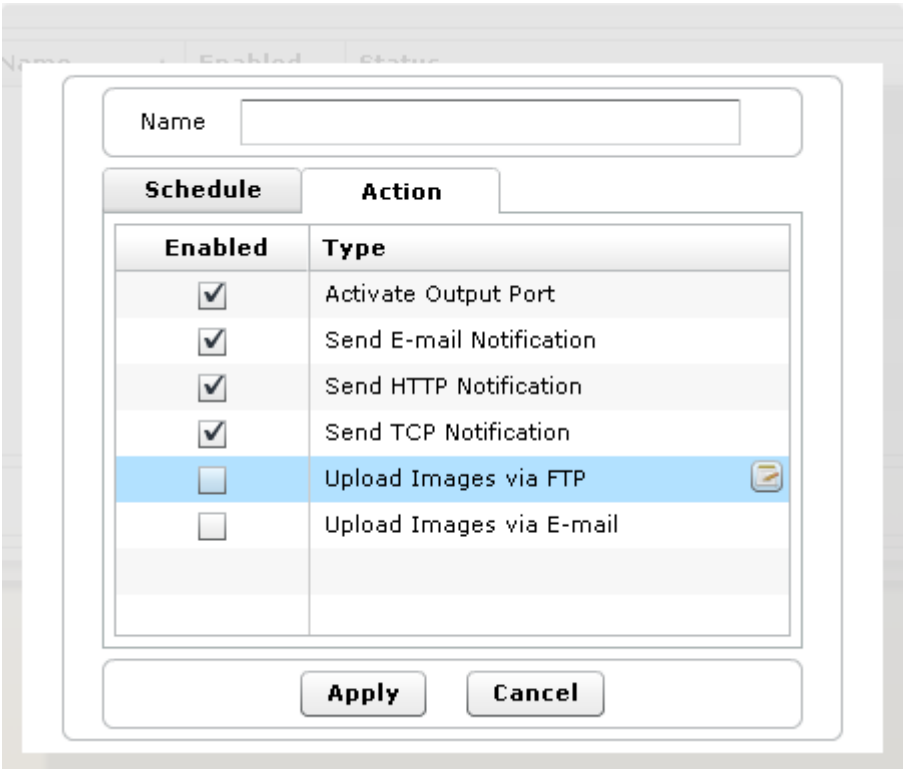
TCP sever: select the [TCP]

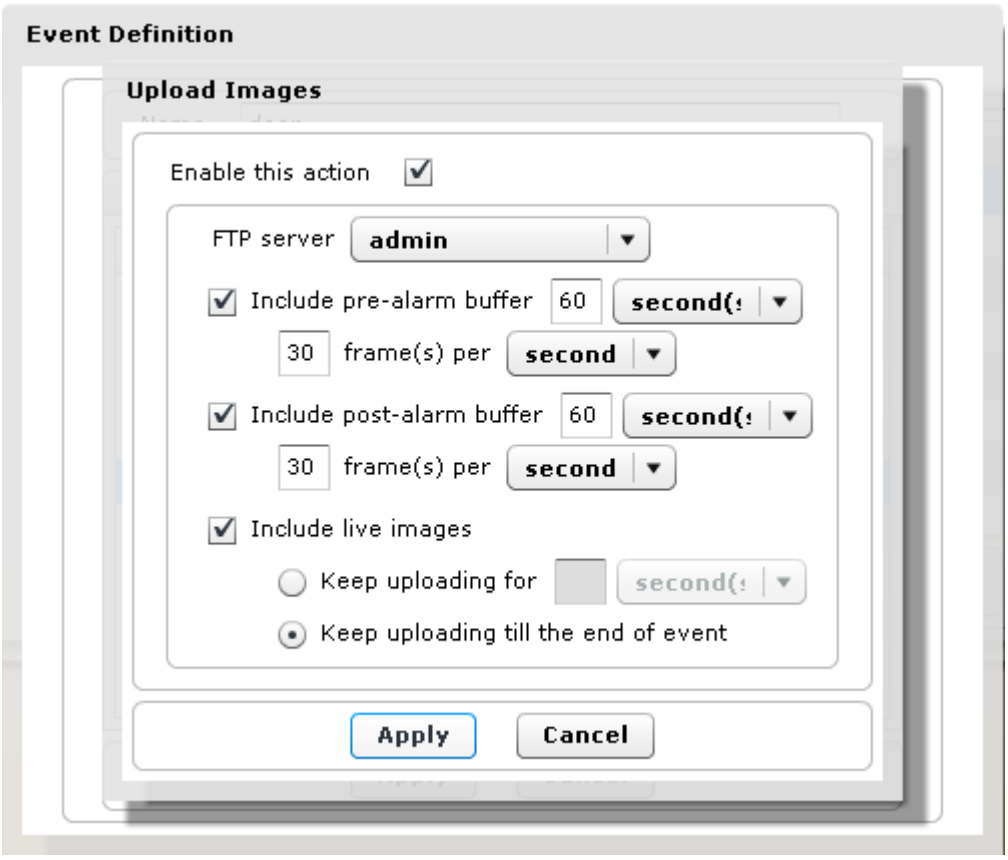
Massage: key in “door open”



Click “Apply” to confirm the setting.

select the [Upload images via FTP]





1. FTP server: [Events]->[Event Servers]Set new FTP, select the[admin]
2. For example in Figure: Open the front door (Pre alarm) 60 seconds 30 frames per

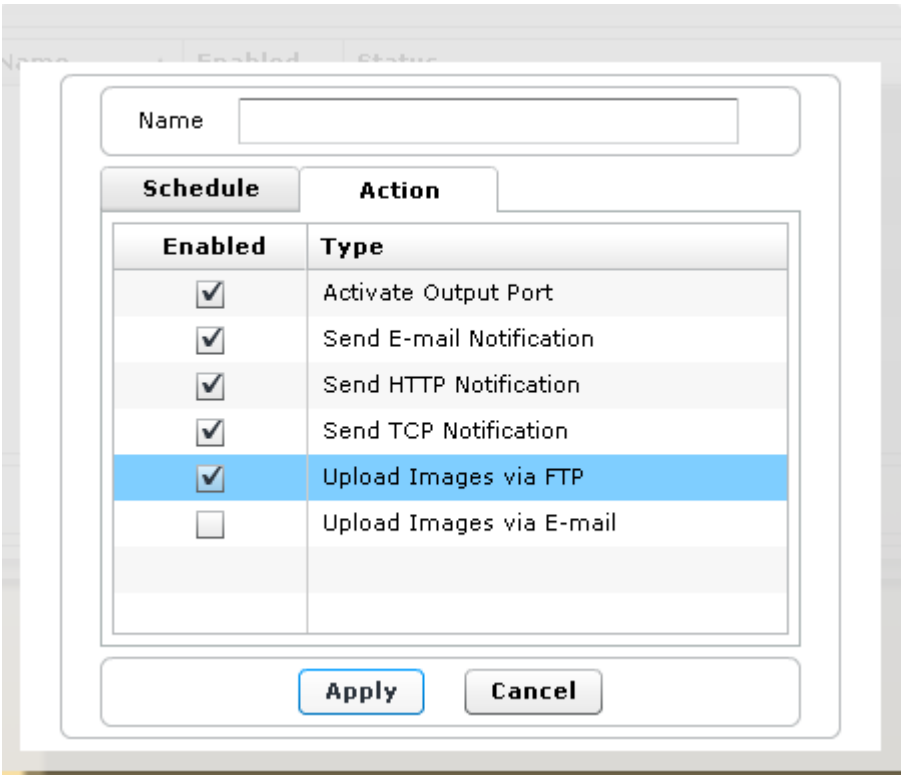
second.

3. The door is opened (Post alarm) 60 seconds 30 frames per second.
4. Include live images

   Keep uploading for__second: The time taken to set their own image

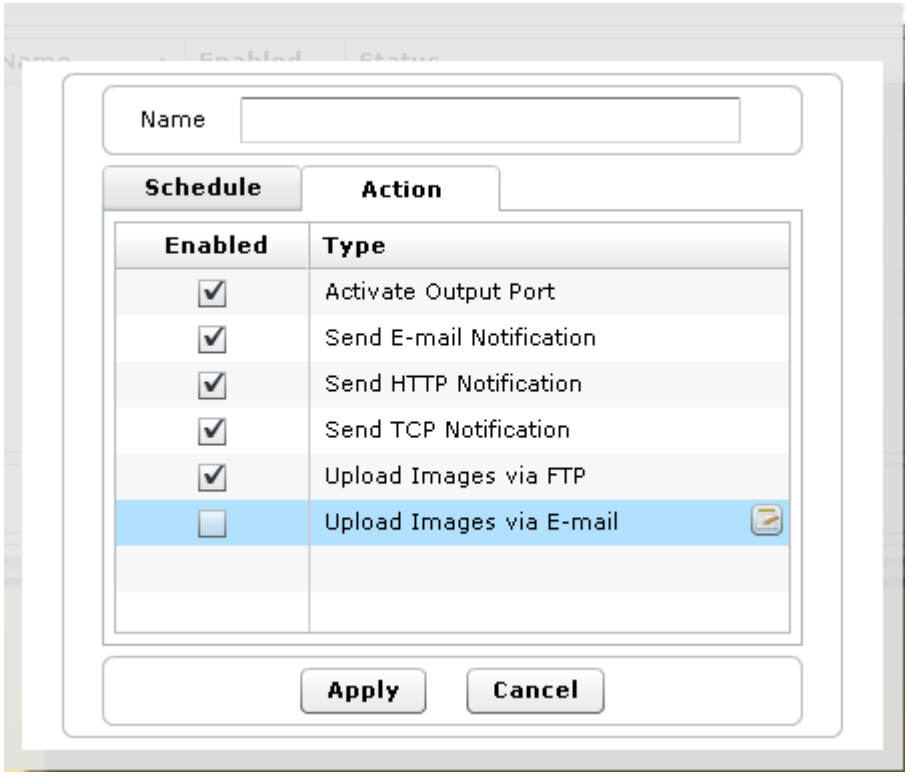
   Keep uploading till end of event

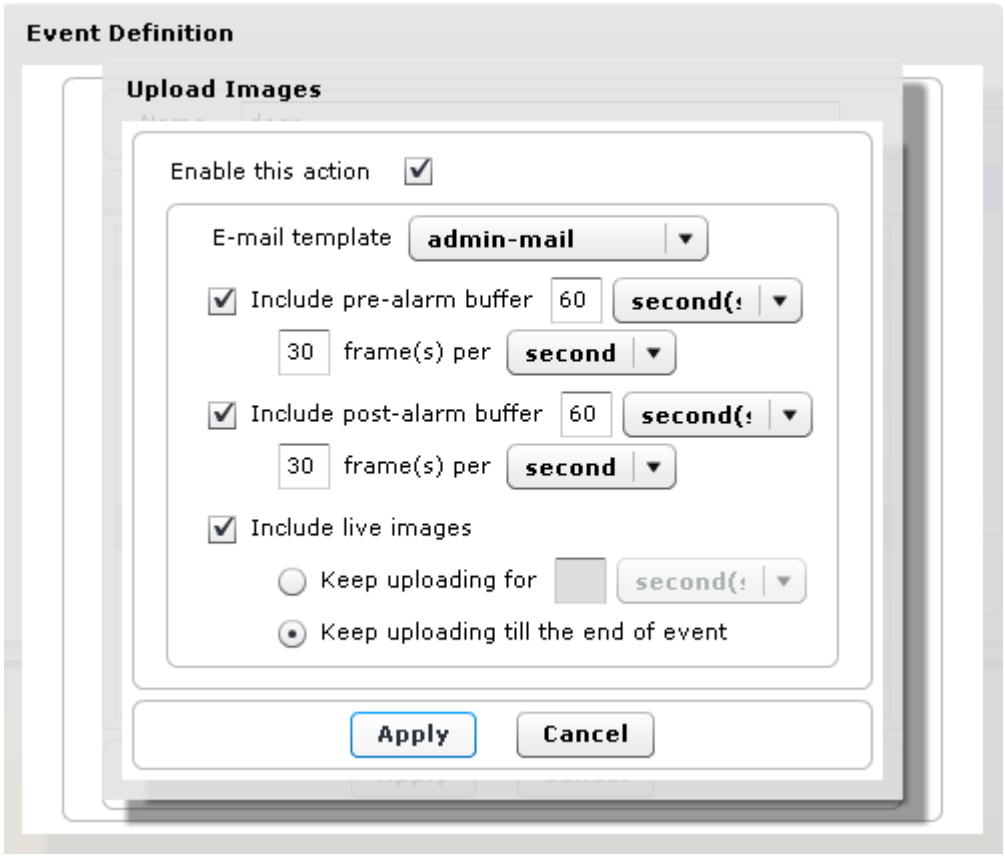
Options on the Figure,that screen time is saved action until one minute before the action began after the end ofone minute



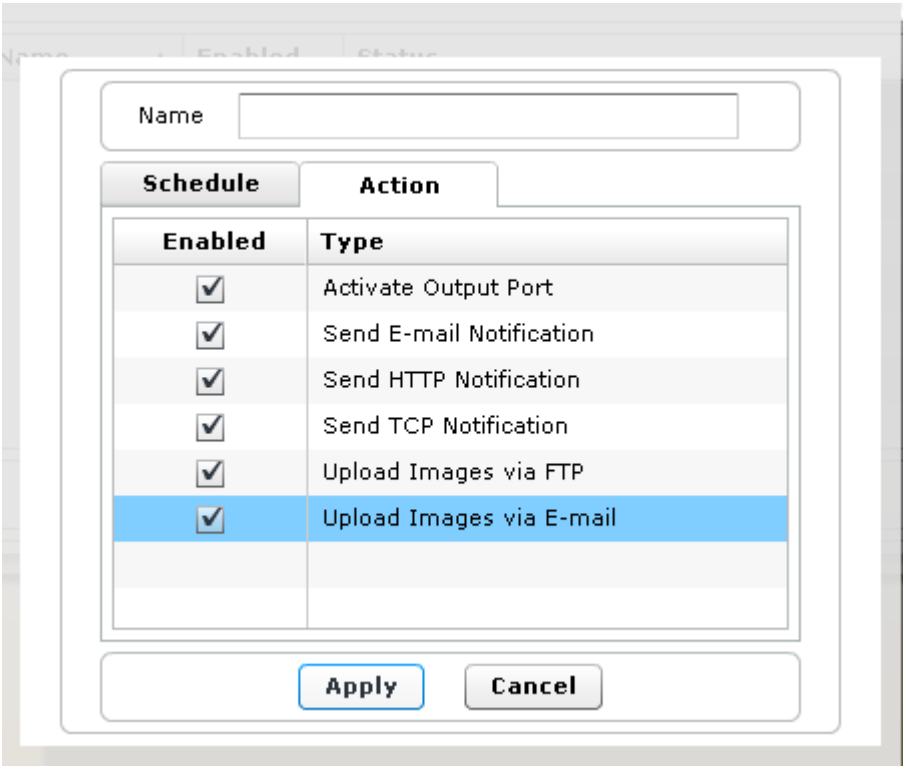
Click “Apply” to confirm the setting.

select the [Upload images via E-Mail]





Methods of operation with the Upload images via FTP



Click “Apply” to confirm the setting.

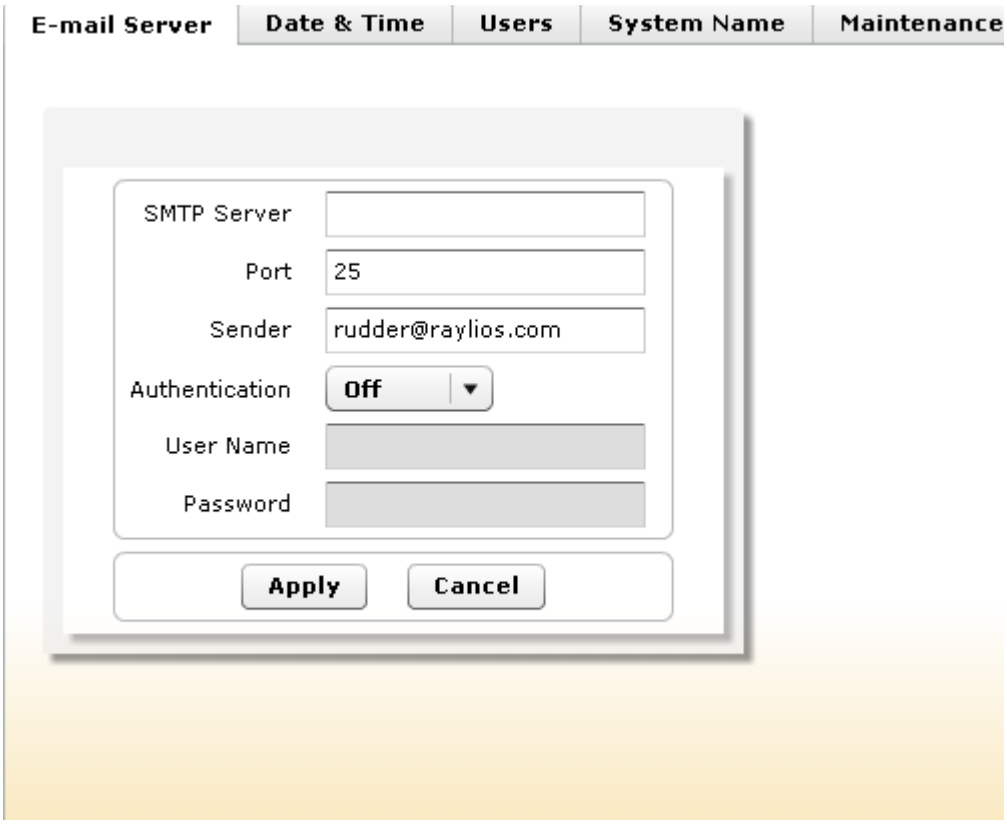
System

This section explains how to configure the basic settings for the IP Cameras, such as the host name and system time.

Click the [System] item to display the [System Page].

E-mail Server

Click the [E-mail Server] item to display the [E-mail Server Page].



SMTP Sever: For example Gmail's SMTP Sever for smtp.gmail.com

Port: Default Port:25

Sender

Authentication: select the off/PLAIN/LOGIN

User Name

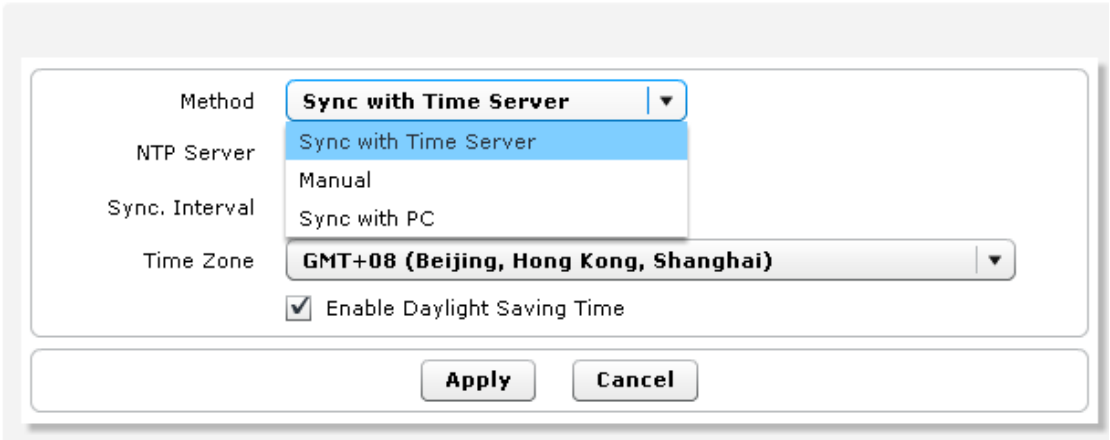
Password

Date & Time

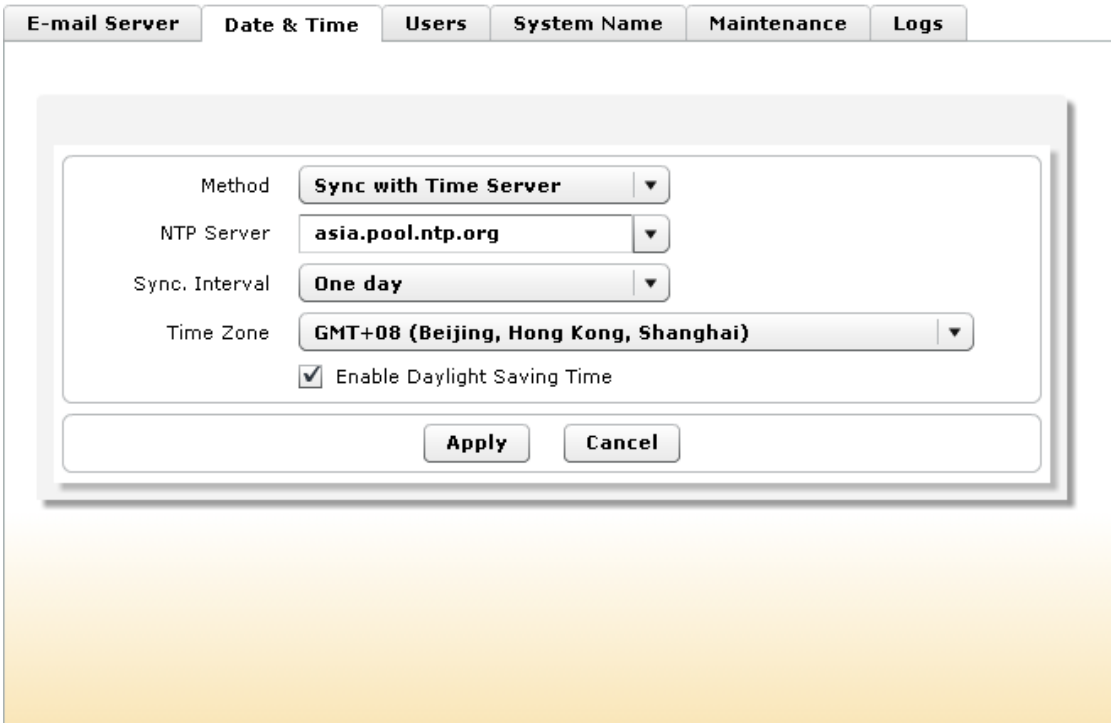
Click the [Data & Time] item to see [Date & Time Setting Page].

The default method is Sync with time server.

Method: select the Sync with time server/Manual/Sync with PC



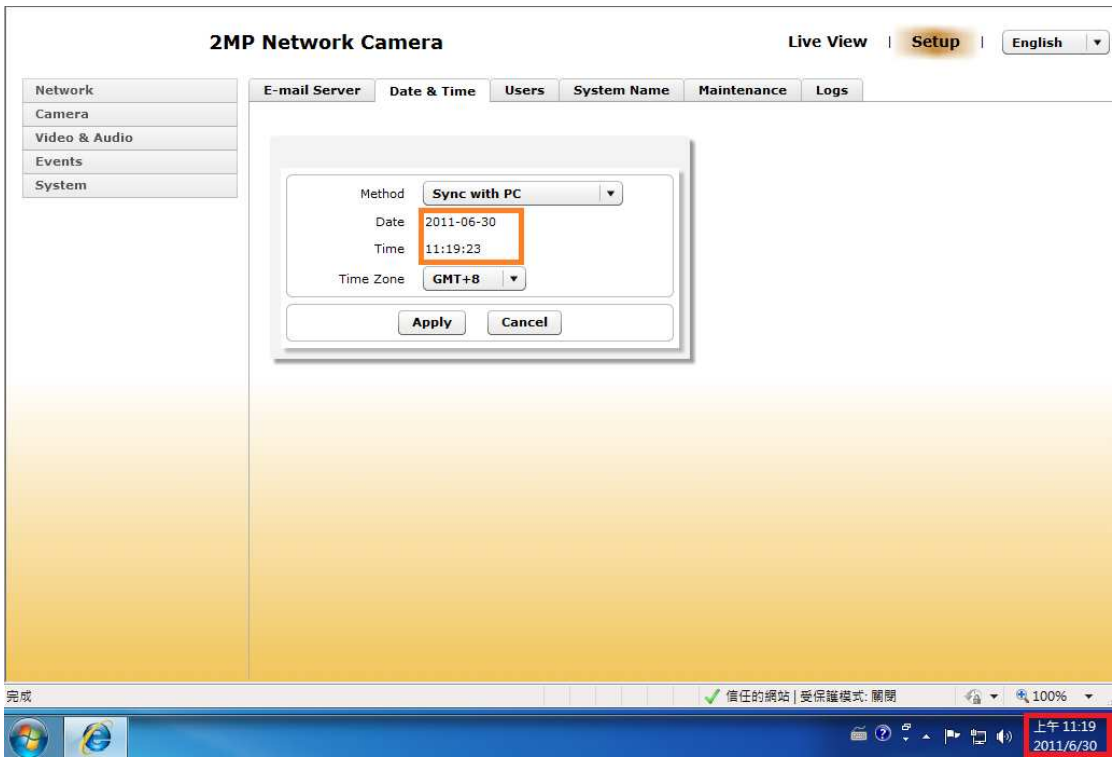
Method: select the [Sync with time server]



Method: select the [Manual]

Manual inputDate and Time

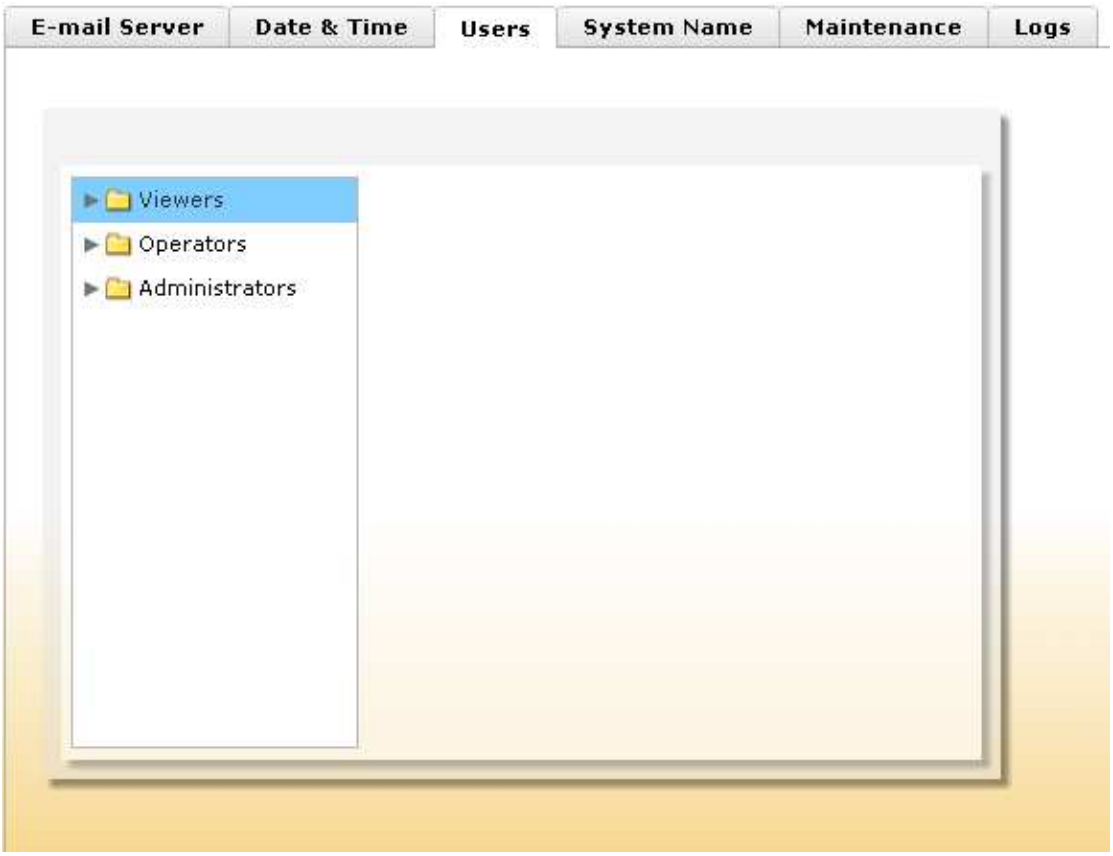
Method: select the [Sync with PC]



Users

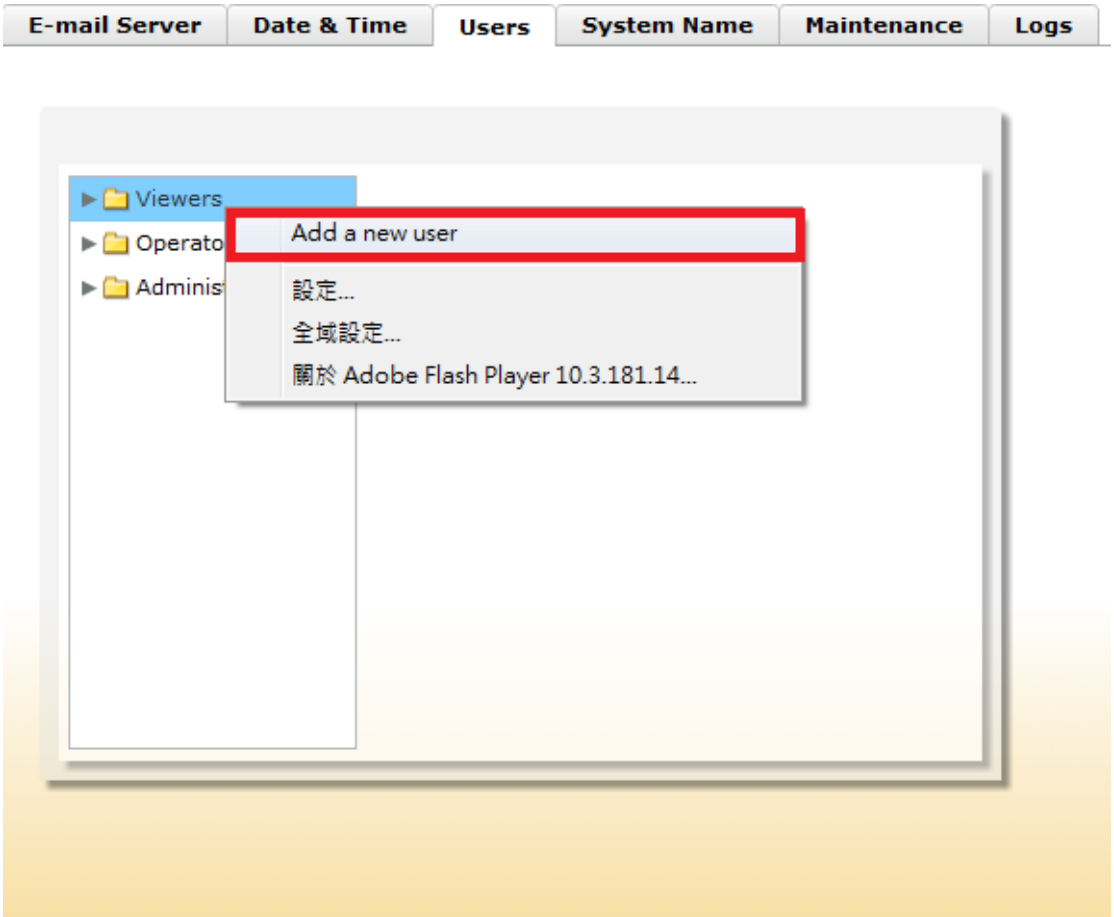
You can set up different roles of Viewers, Operators & Administrators.

Administrator account allows the user to watch the live view and setup everything; but viewers account allows user only to watch the live image.

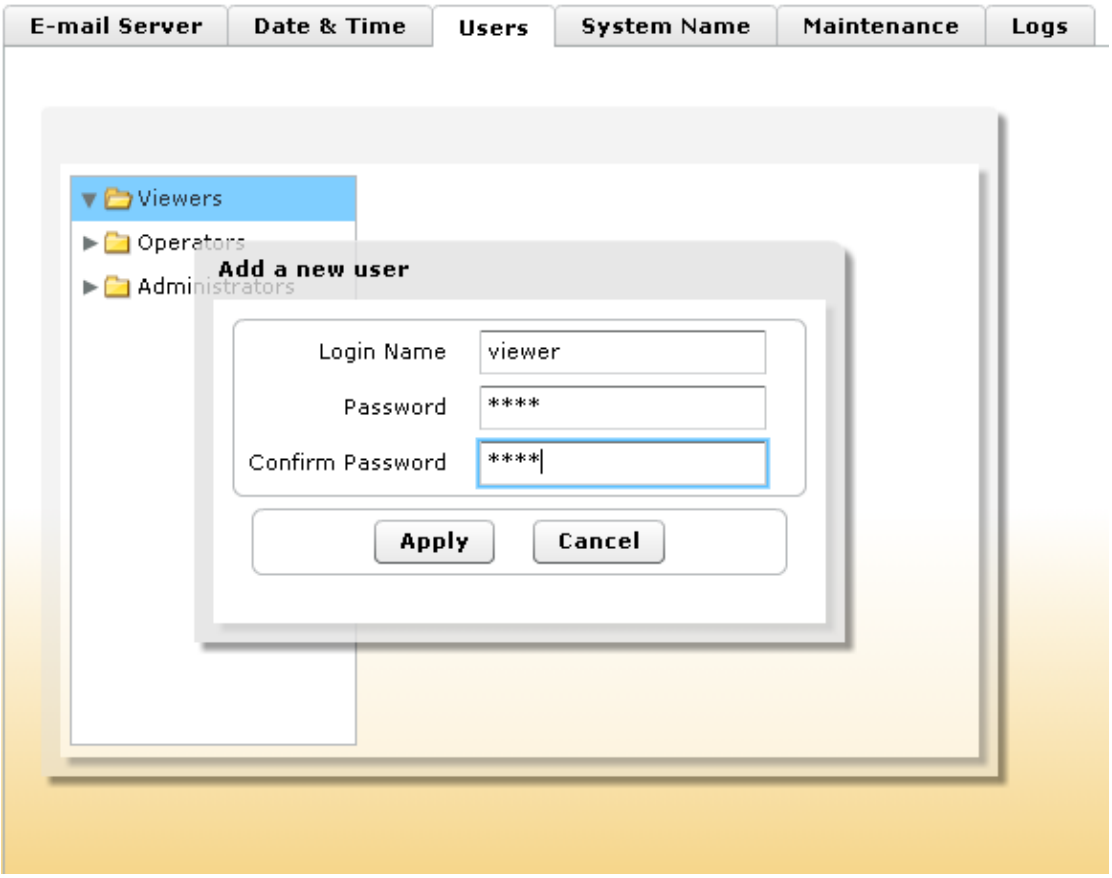


- Viewers: Browse only (No permission)
- Operators: Some functions can be modified
- Adminstrators: Administrators (Maximum permissions)

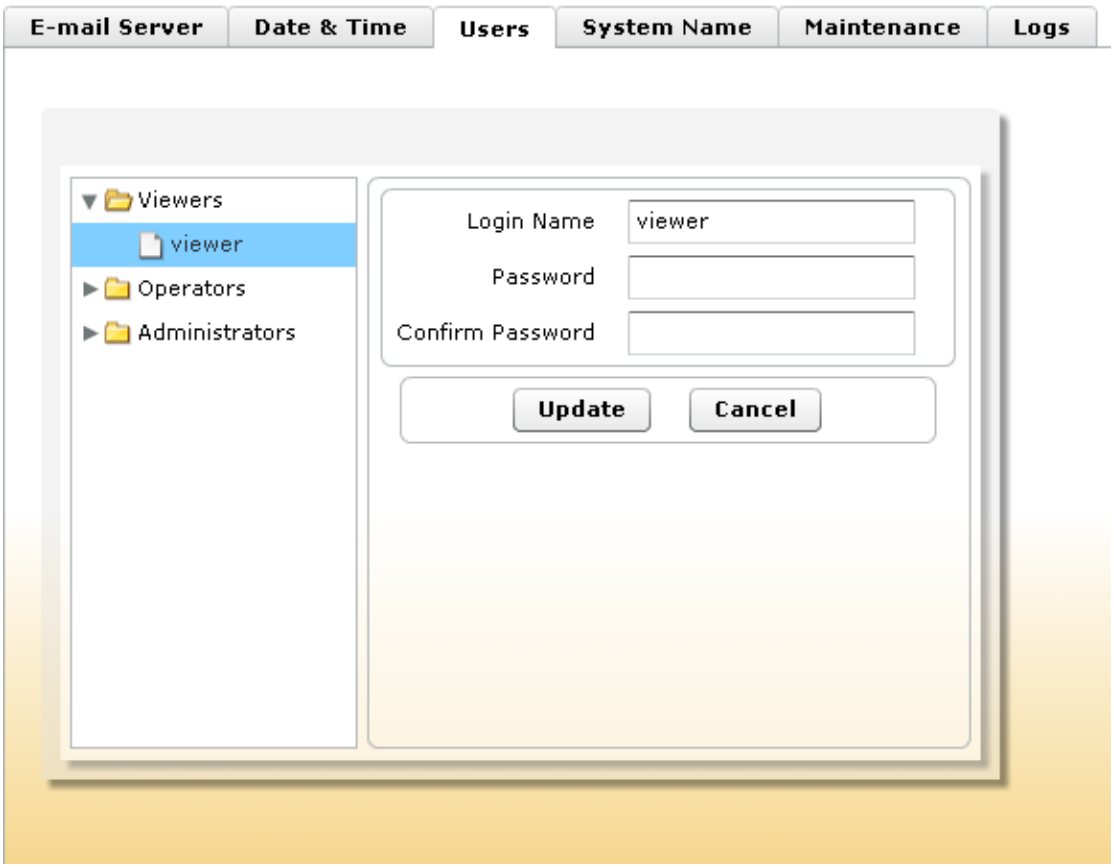
Example Operation



Permissions you want to add content on the right point (above) -> [Add a new viewer]

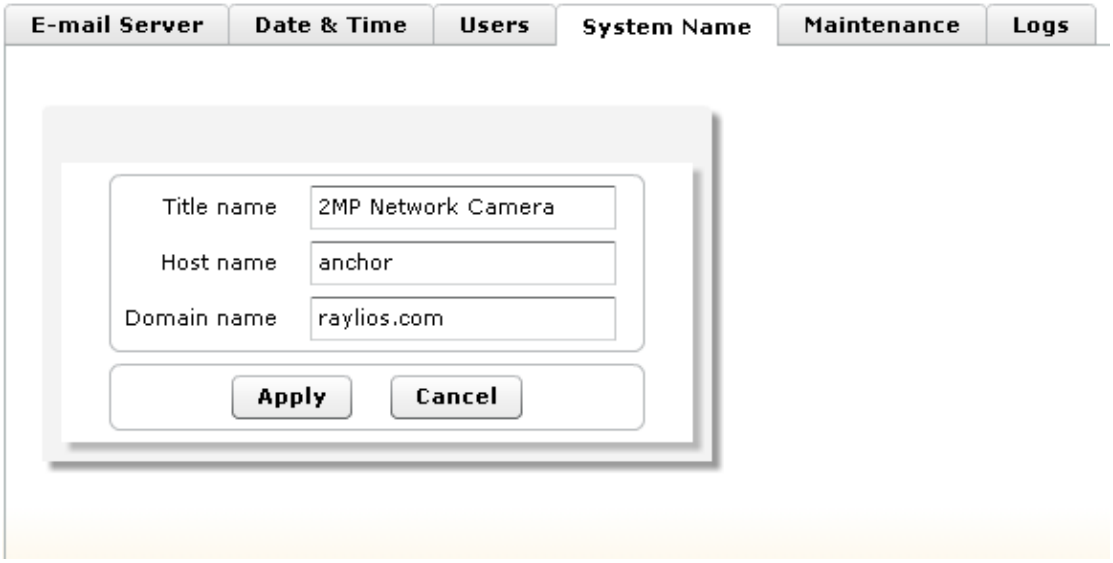


Enter user name and password


E-mail Server
Date & Time
Users
System Name
Maintenance
Logs
Viewers
viewer
Operators
Administrators
Login Name
viewer
Password
Confirm Password
Update
Cancel

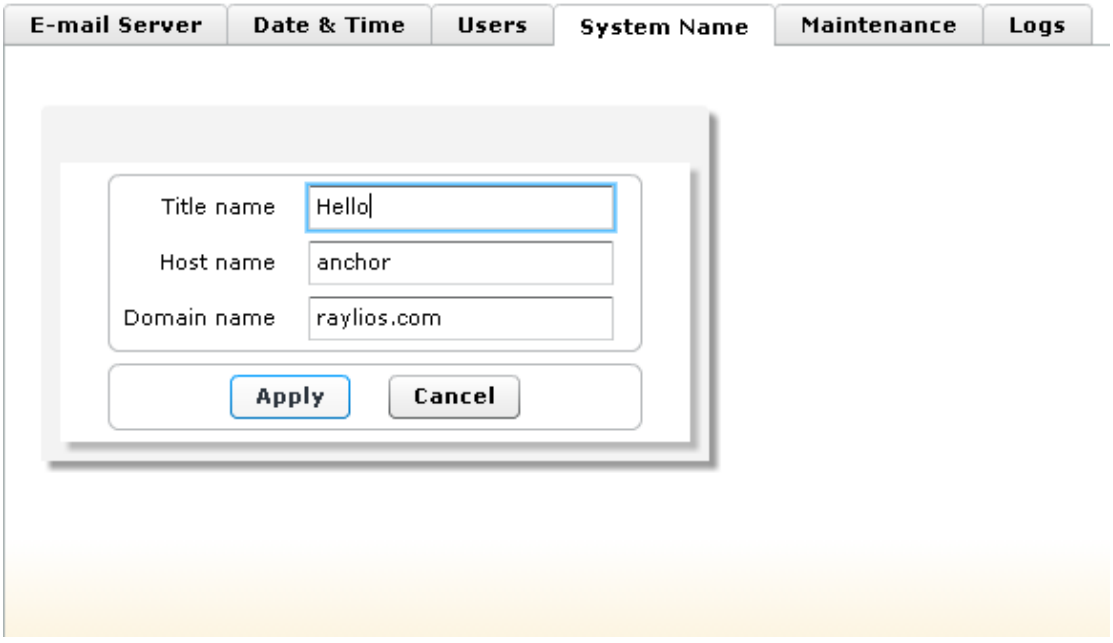
Complete

System Name



Can change the Tittle name/Host name/ Domain name

Example Operation

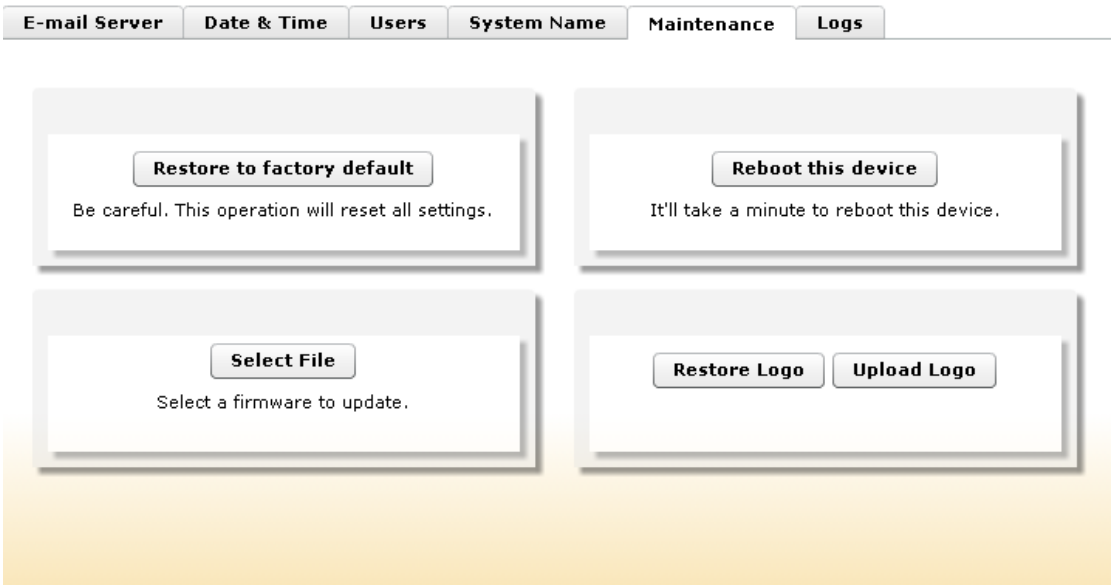


Change Tittle name

Complete

Maintenance

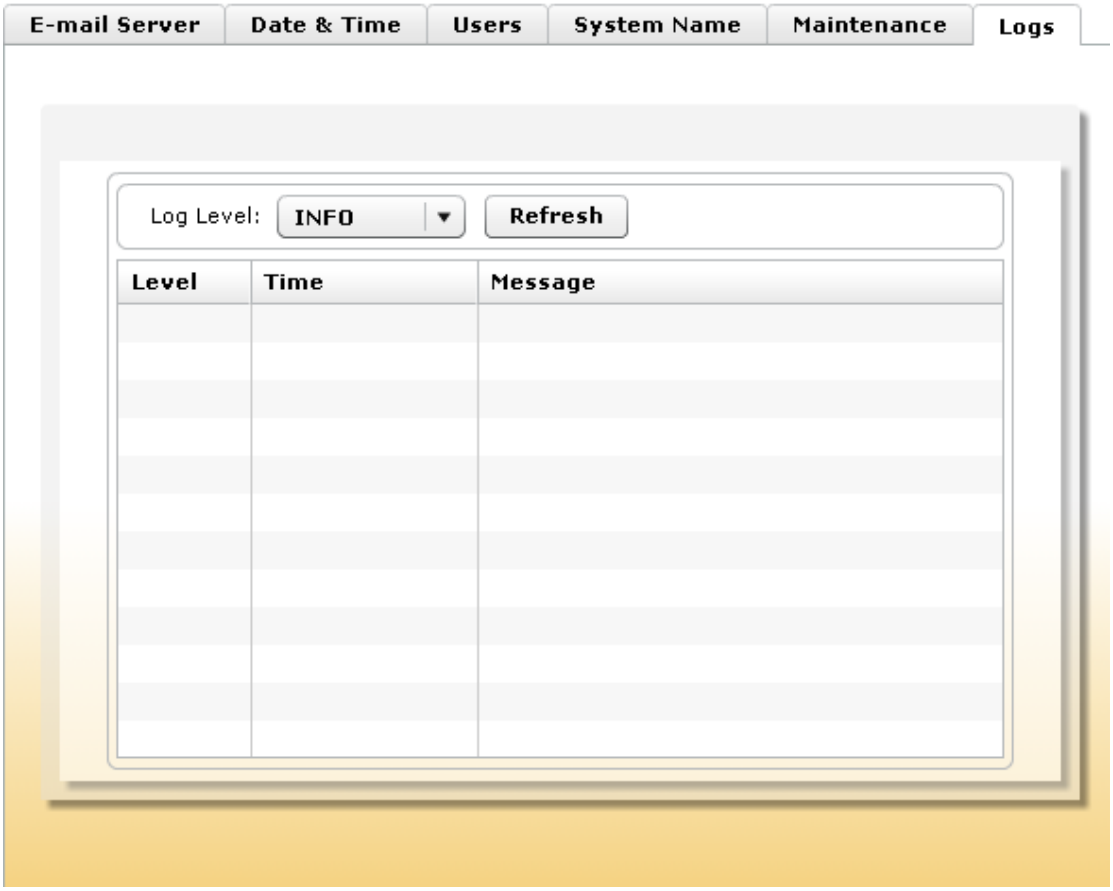
Click the [Maintenance] to enter [Maintenance Page].



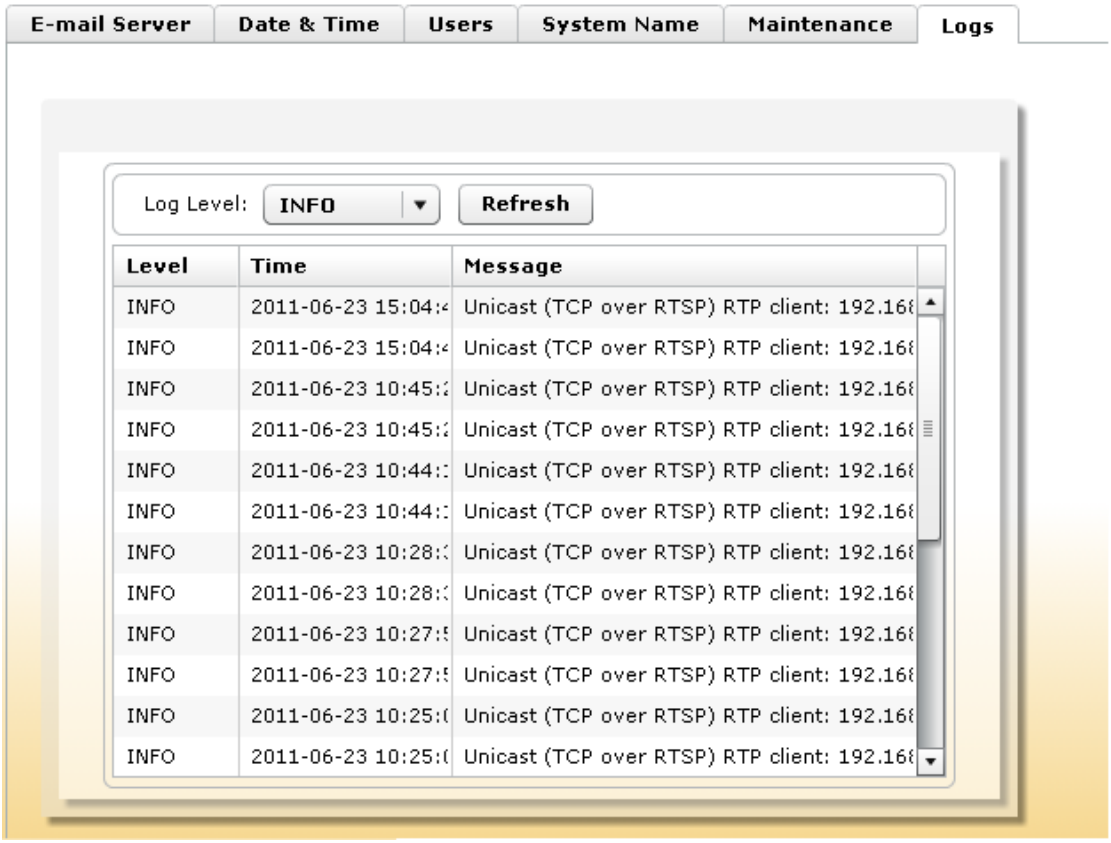
1. Restore to factory default: If you want to reset all the settings. You will have to use factory default IP setting to connect to this camera. Please refer to previous login section.
2. Reboot this device: If you want to save all the settings and reboot this IP camera. Some settings might not take effect before save and reboot.
   After around 40 seconds, the IP Camera will reopen the setting page to indicate the reboot is finished.
3. Firmware Upgrade:
   a. Select File: select the upgrade file. You can always get the latest version at our website.
4. Upload Logo/Restore Logo

Logs

Click the [Logs] to enter [Logs Page].



Click [Refresh]



Log Level: select the INFO/WARNING/ERROR/FATAL/ALL